

FIG. 1B1

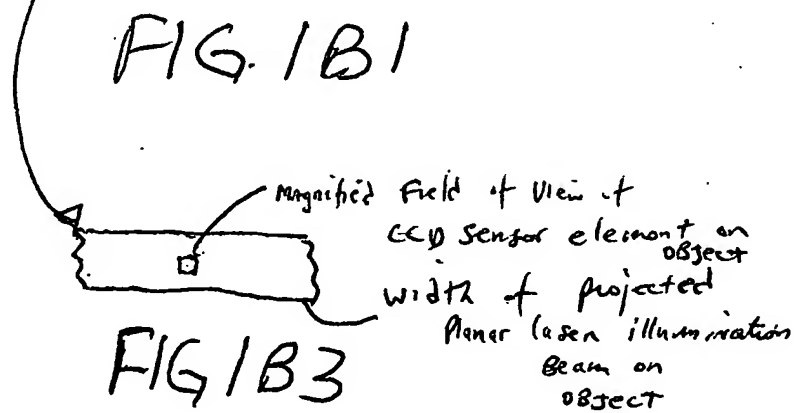


FIG 1B3



4/ 332

20220701-0112900T

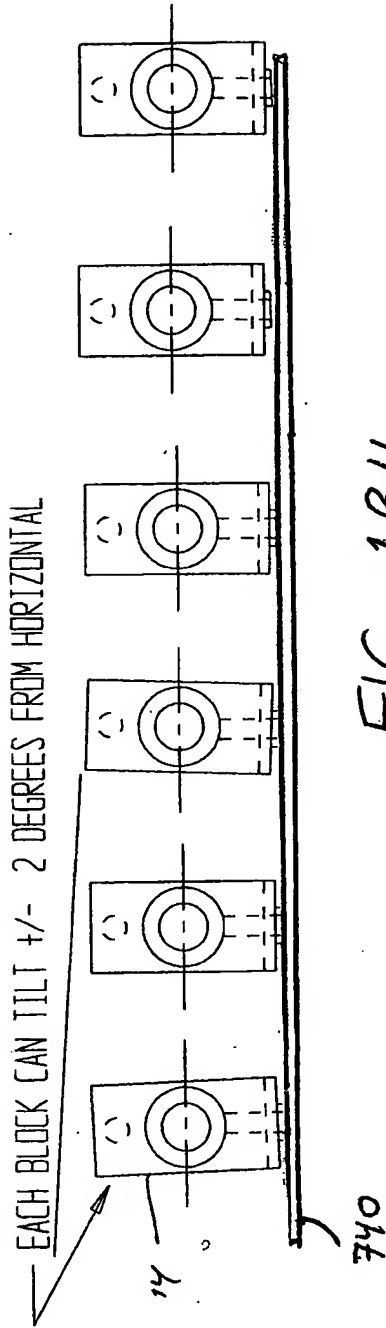


FIG. 1B4

FORWARD

VLD BLOCK CAN PITCH FORWARD FOR ALIGNMENT WITH OTHER VLD BEAMS

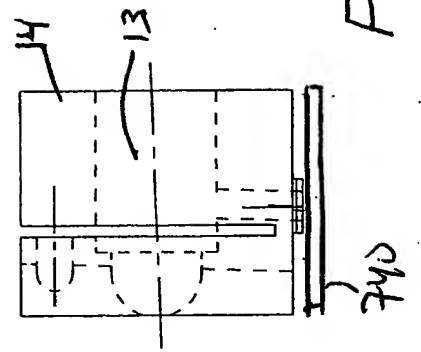
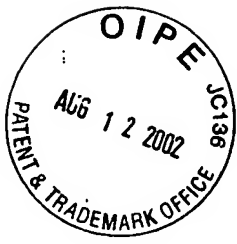
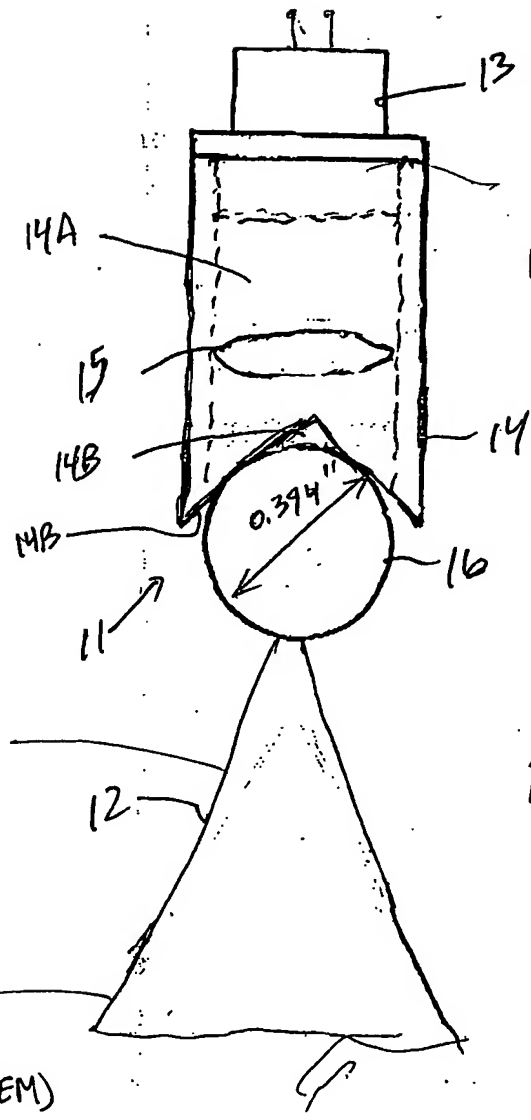


FIG. 1B5



16/ 332

10067140-001222



PLANAR LASER
ILLUMINATION BEAM
(PLIB)

FARTHEST OBJECT
i.e. WORKING DISTANCE
IN PLIM-BASED SYSTEM)

FIG. 1615A

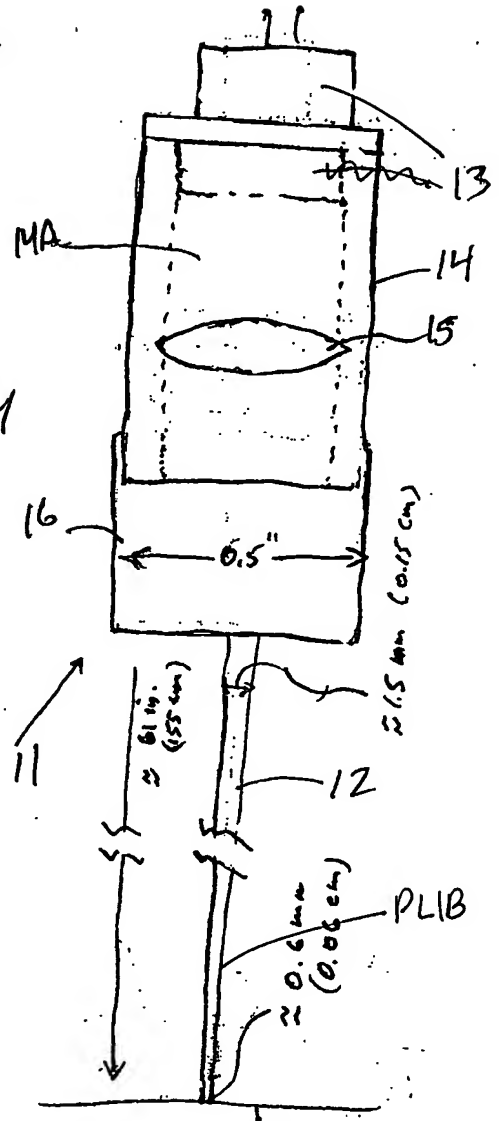


FIG. 1615B

furthest i.e.
object (working
distance in
PLIM-Based
System)

17/ 332

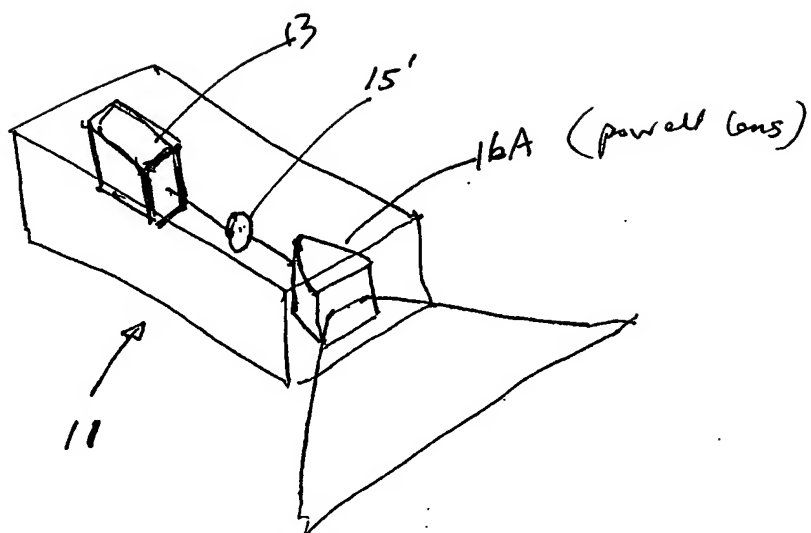


FIG. 1G.16A

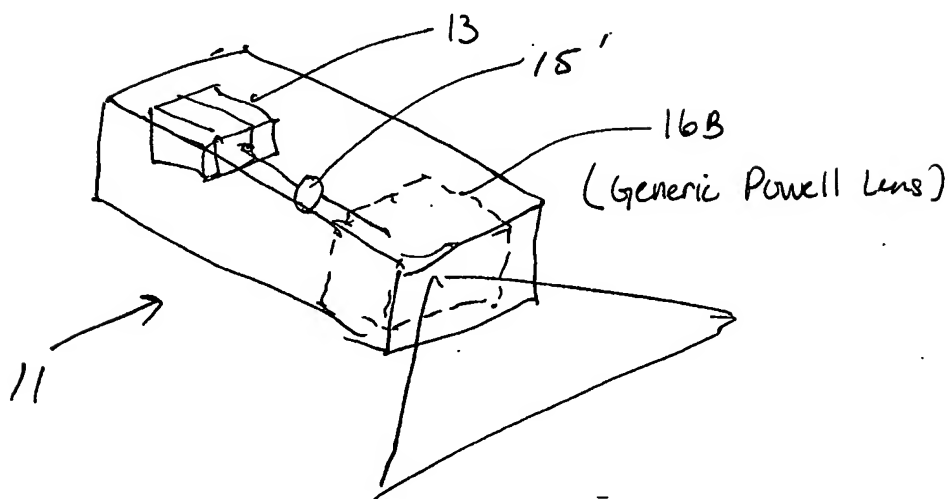


FIG. 1G.16B

PLIM w/
powell lens

20067140-001202

10/ 332

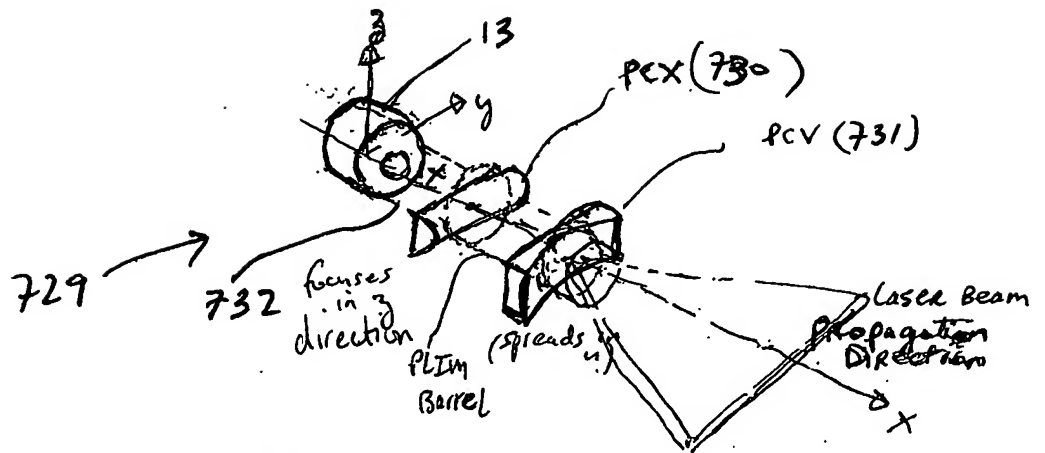


FIG. 16.17A

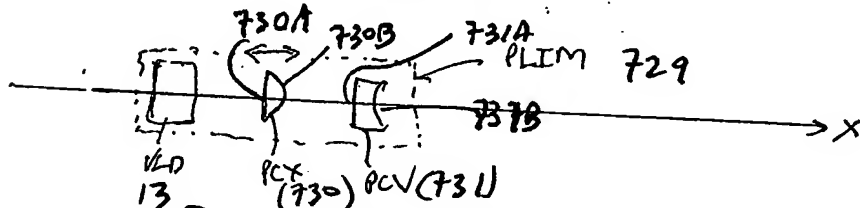


FIG. 16.17B

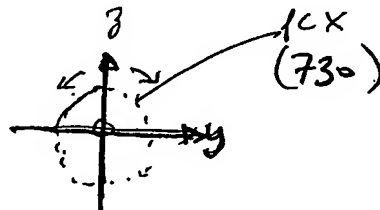


FIG. 16.17C

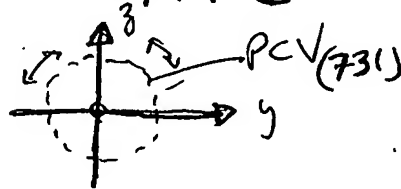


FIG. 16.17D

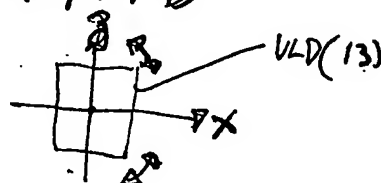


FIG. 16.17E

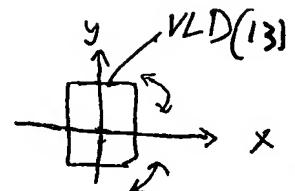


FIG. 16.17F

202507-04429001

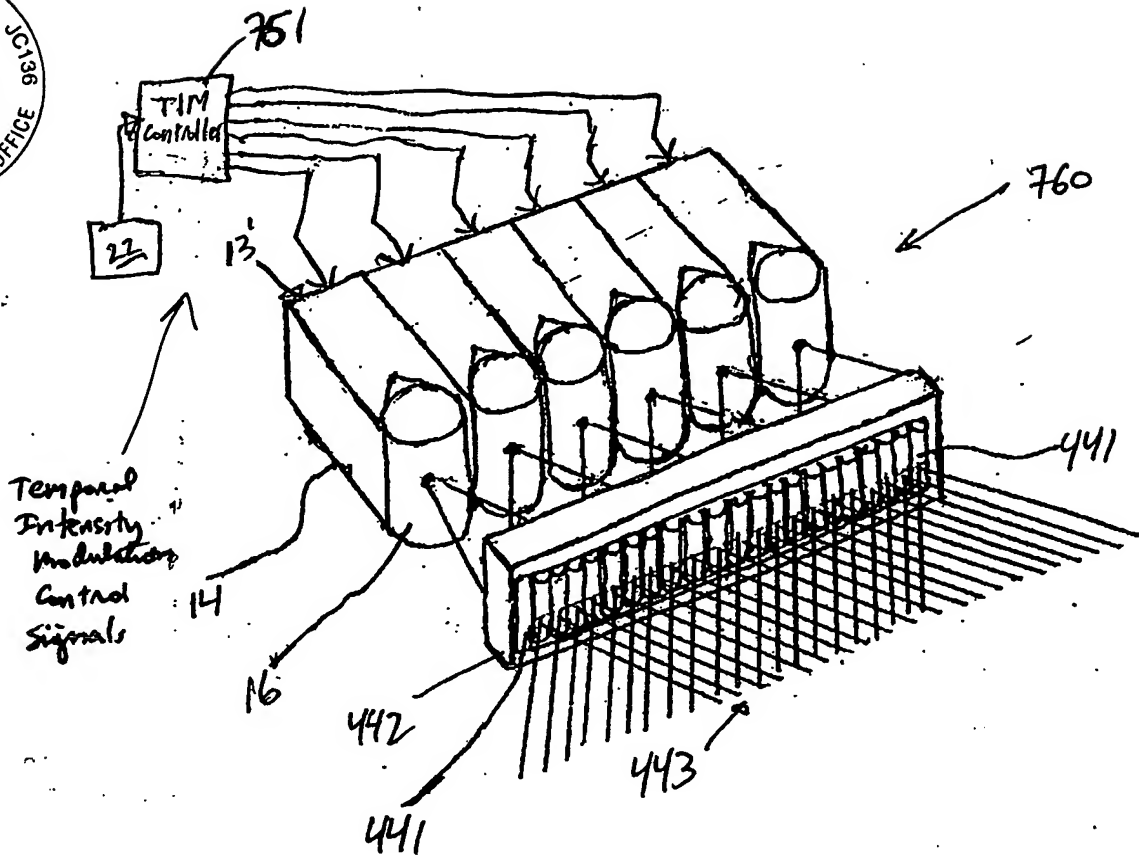
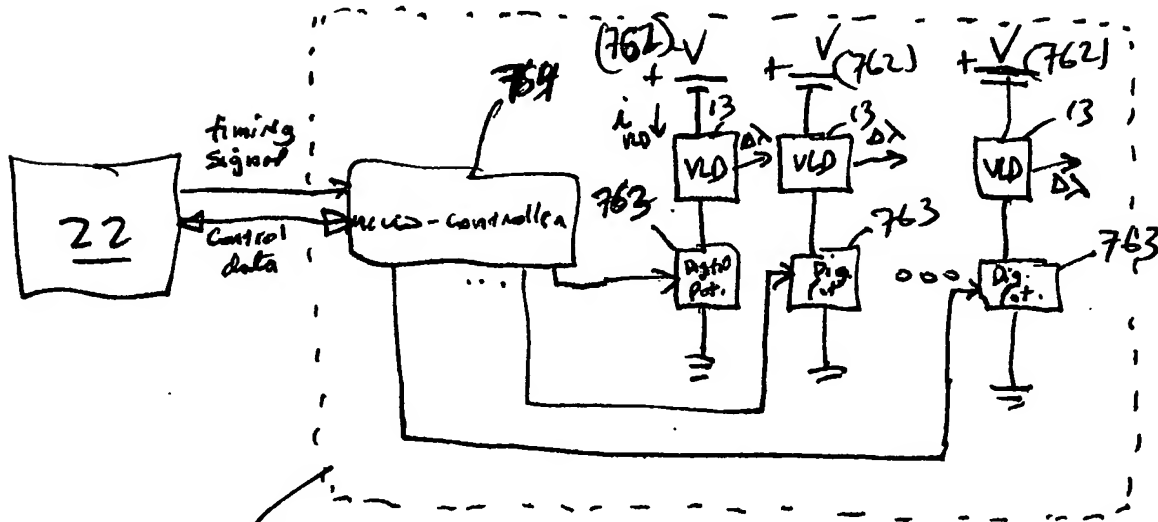


FIG. 1I15C



761
(TIM Controller)

FIG. 1I15D

Fourth Generalized Method of
Reducing Speckle-Noise Patterns
at Image Detection Array
of the FFD Subsystem (3)

(TFmp)

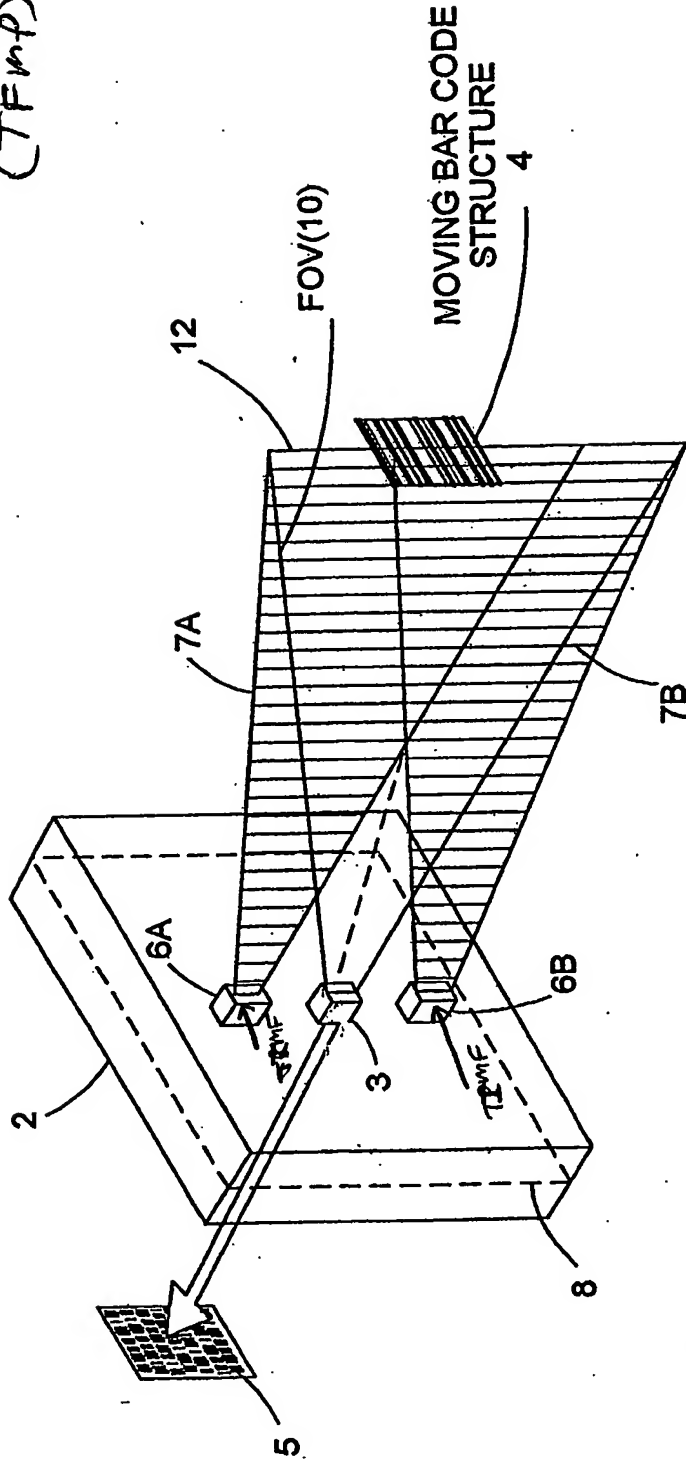
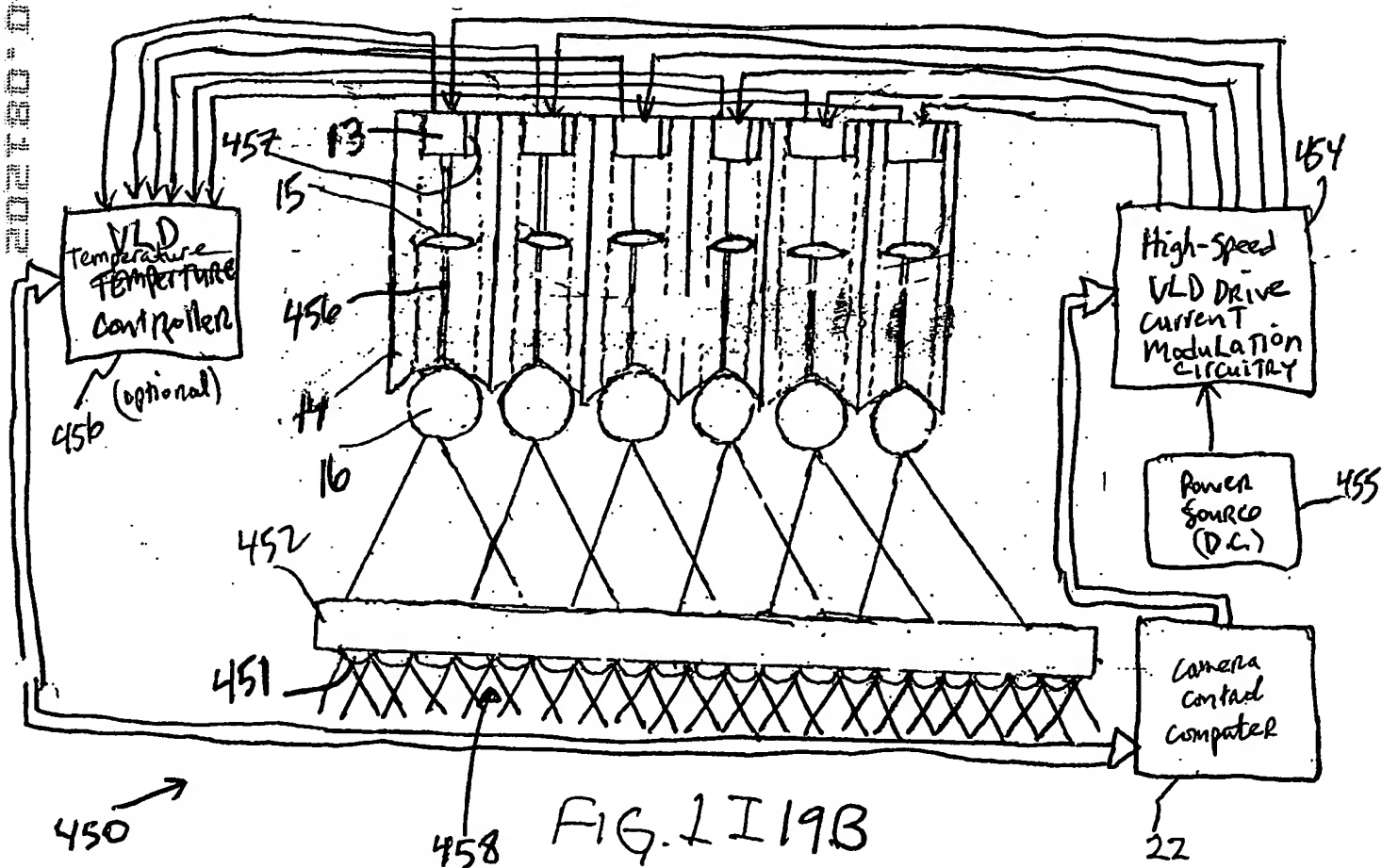
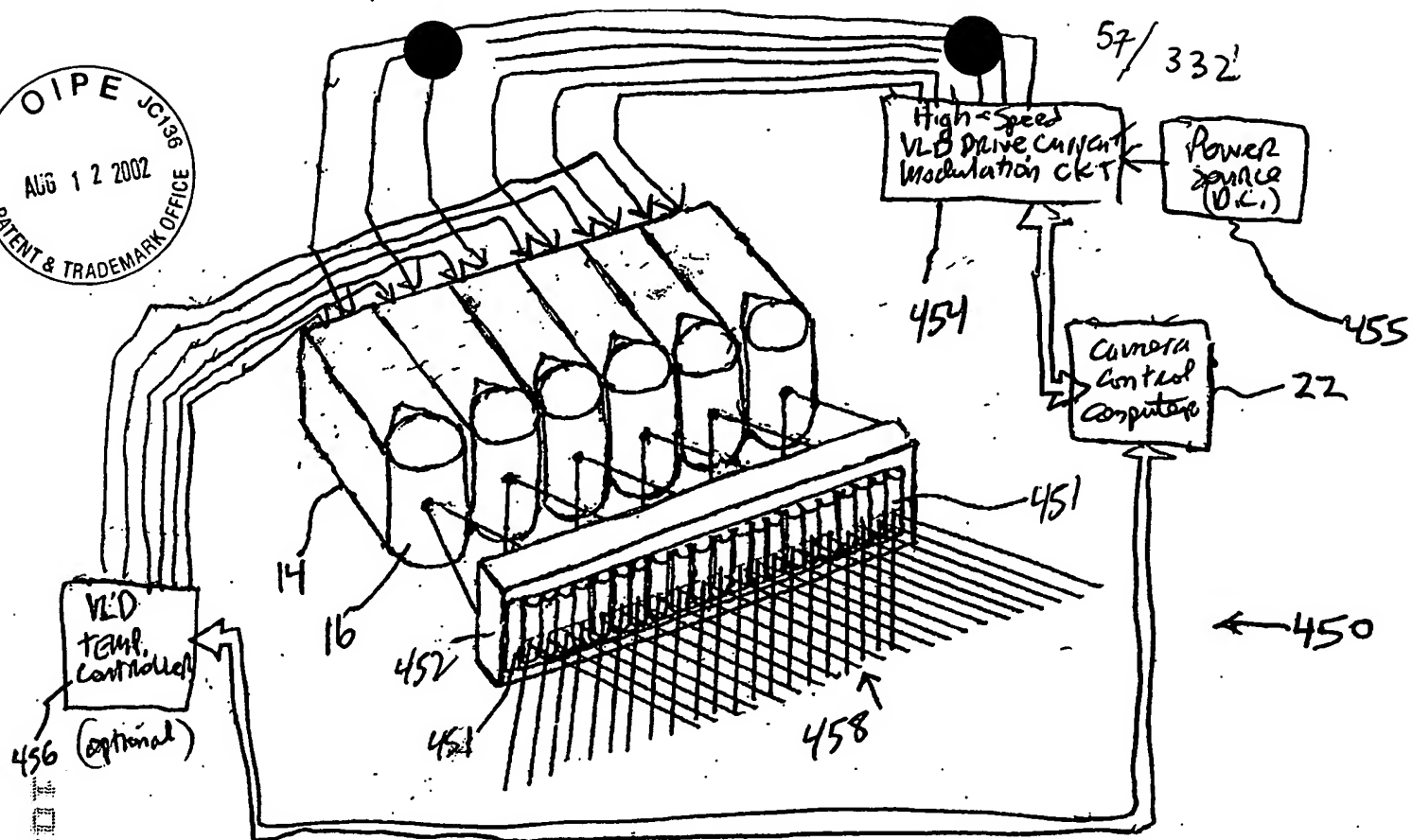
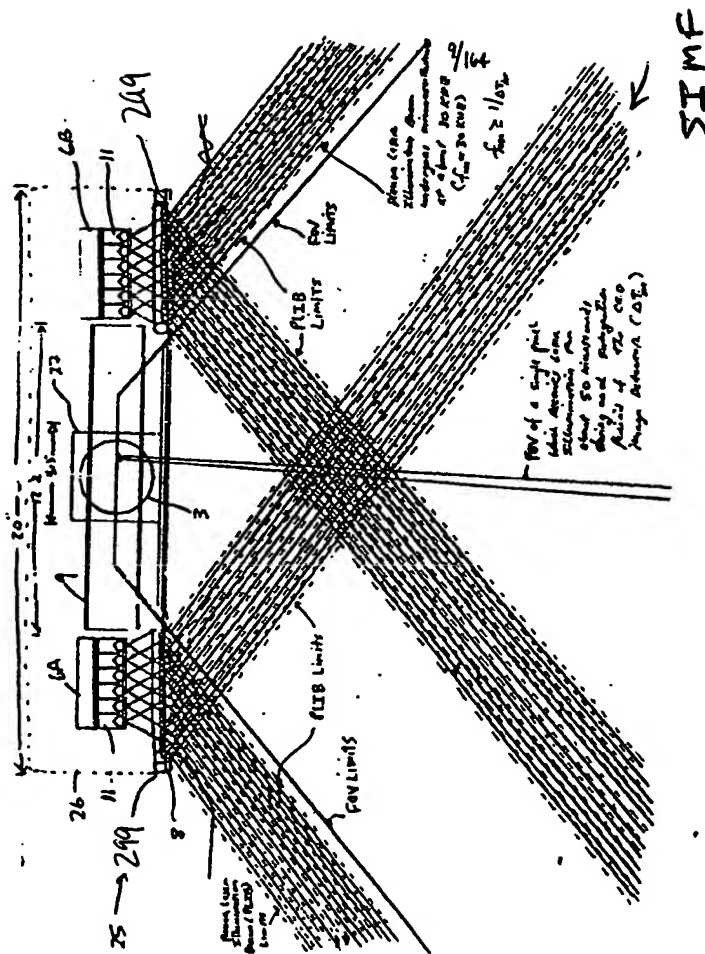


FIG. 1118A 1118



60 / 332



Prison to object Elimination

FIG. 11 20A

Sixth Generalized Method of
Reducing Speckle-Noise Patterns
at Image Detection Array
of the IFD Subsystem

(SIMF)

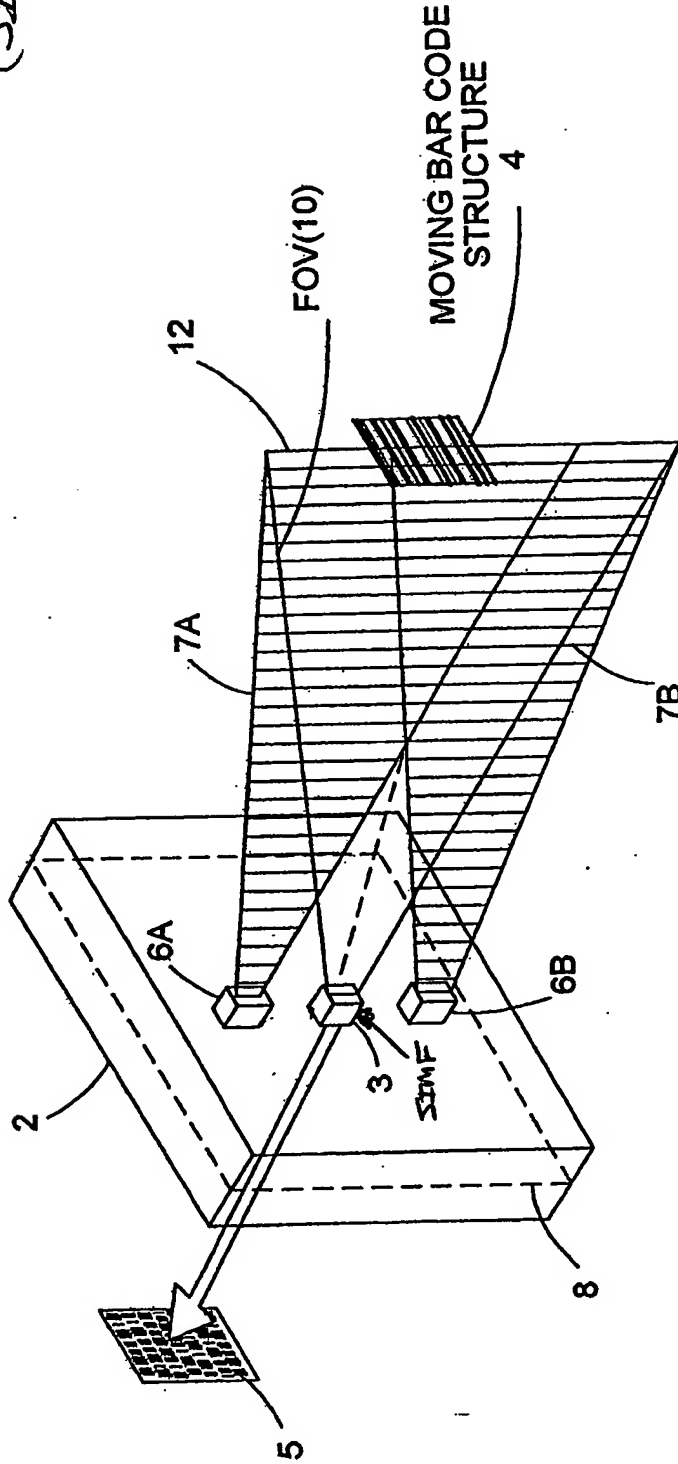
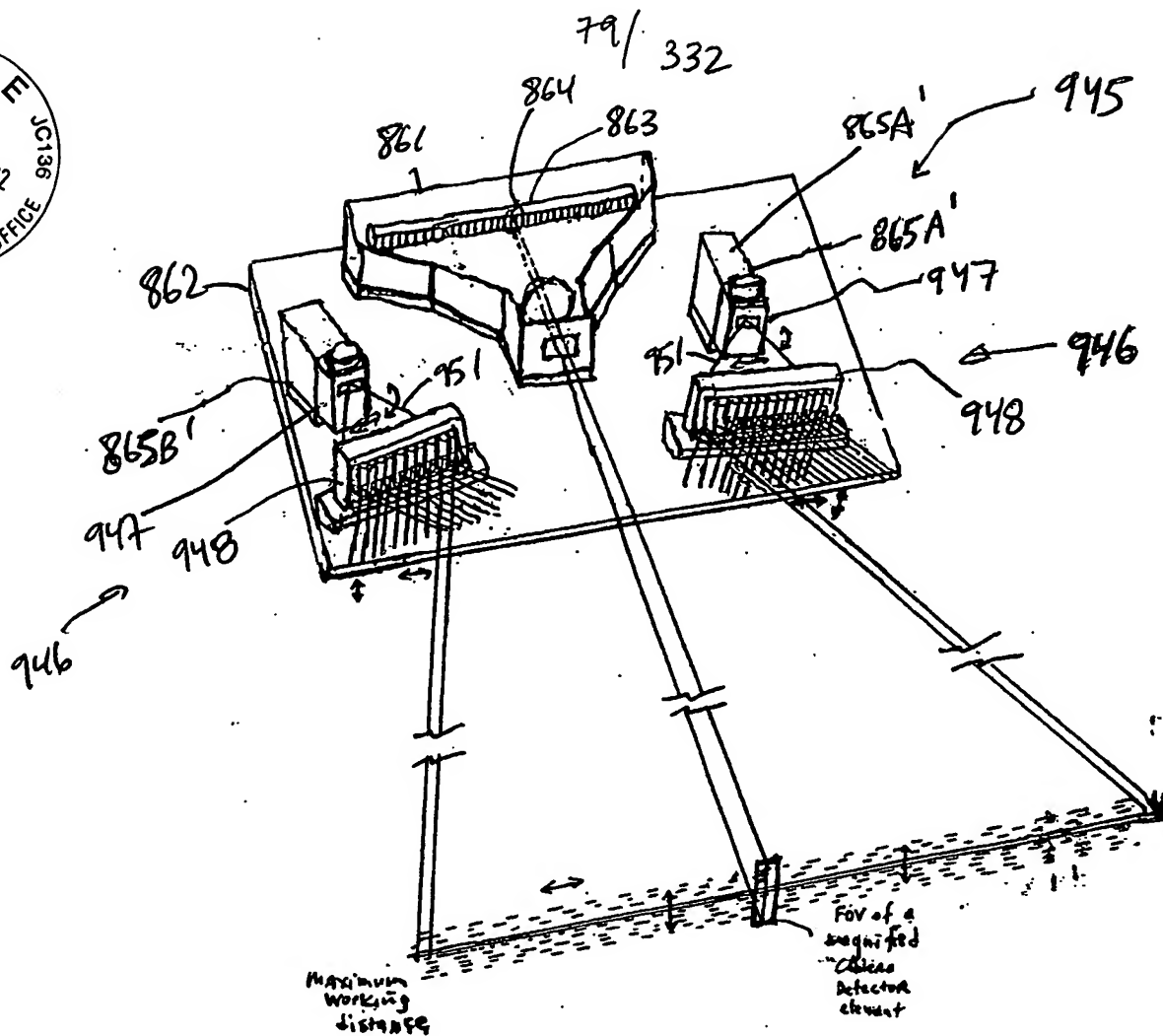


FIG. 1I 22



Lateral and Transverse Motion of ALB

FIG. 1I25I1

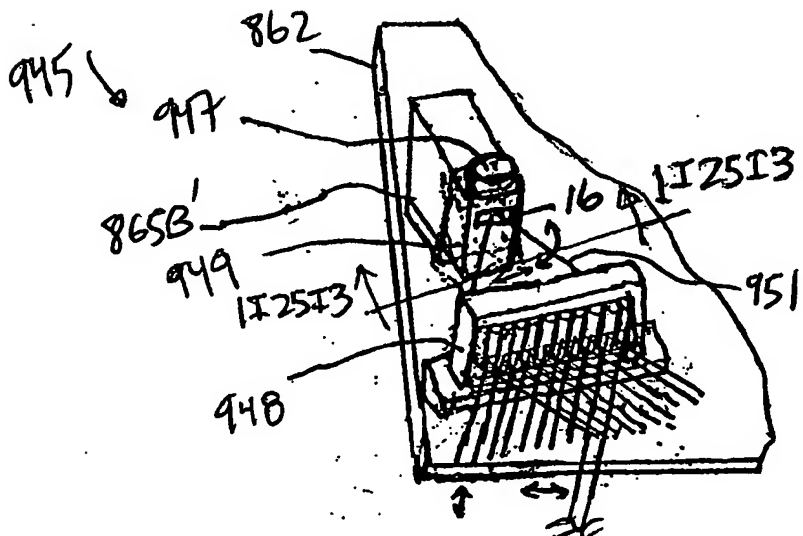


FIG. 1I25I2

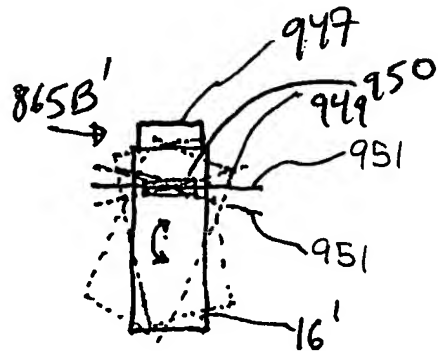
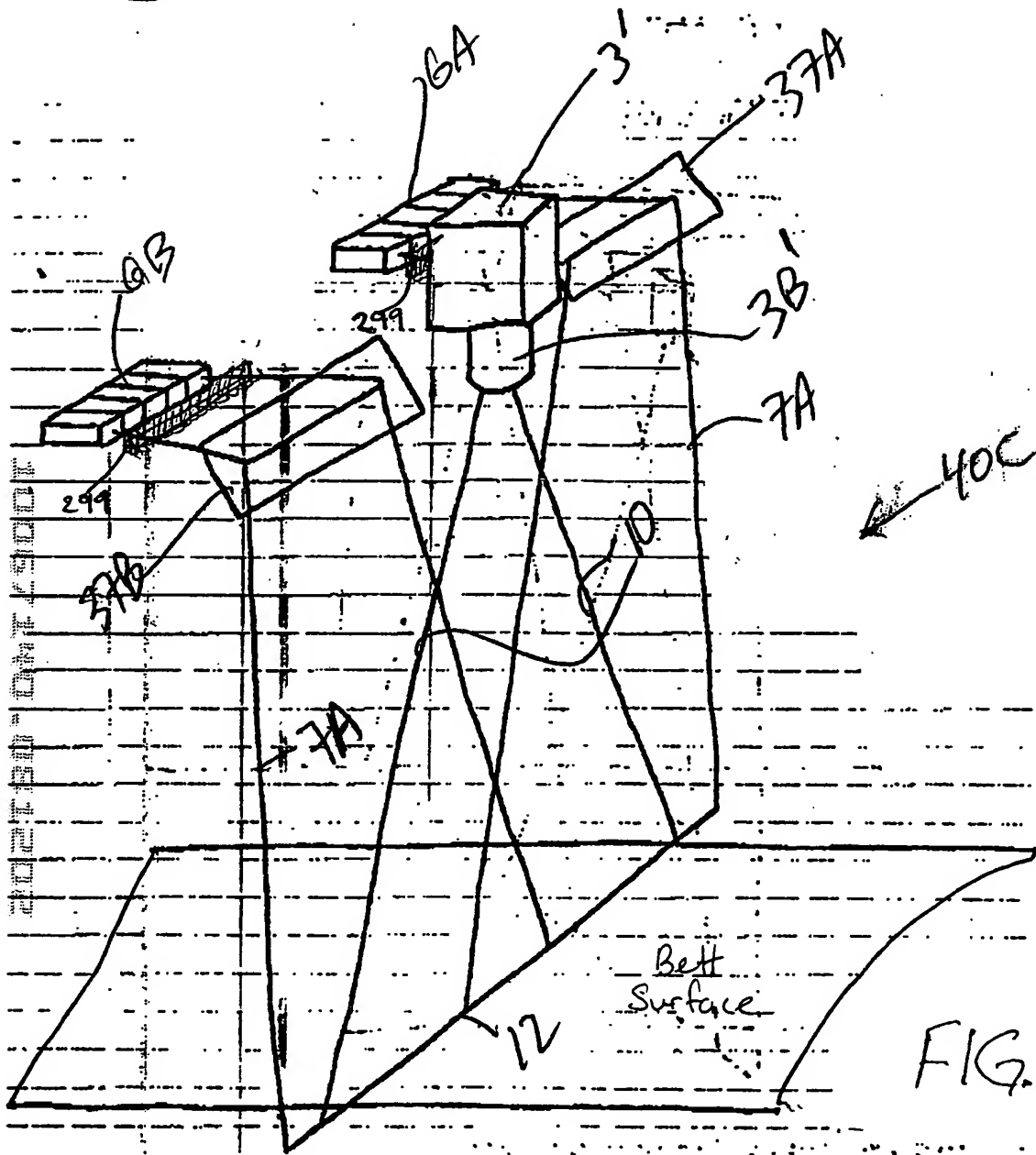


FIG. 1I25I3

20067140-081202



117/332



120/332

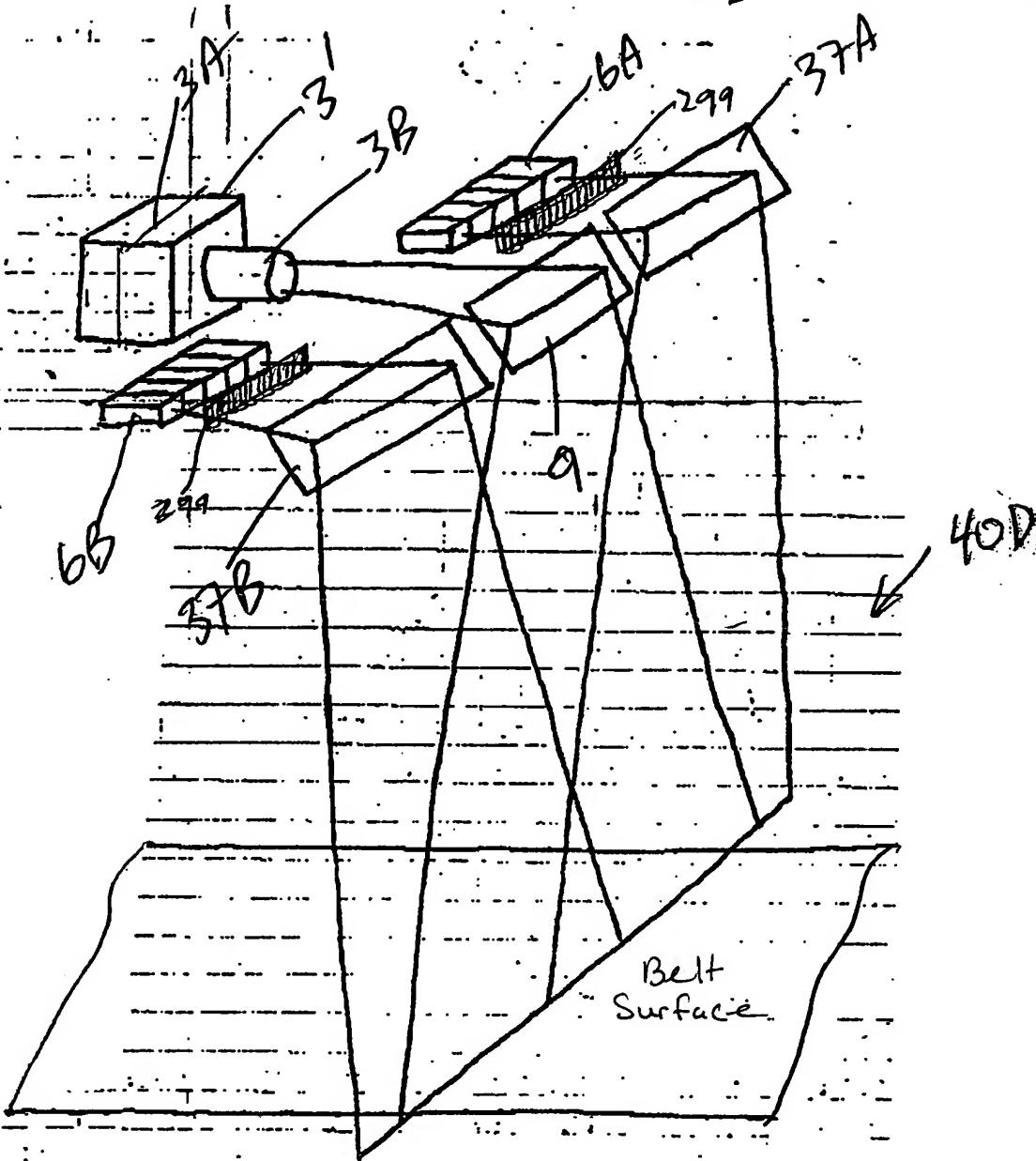


FIG. 2F1

138/332

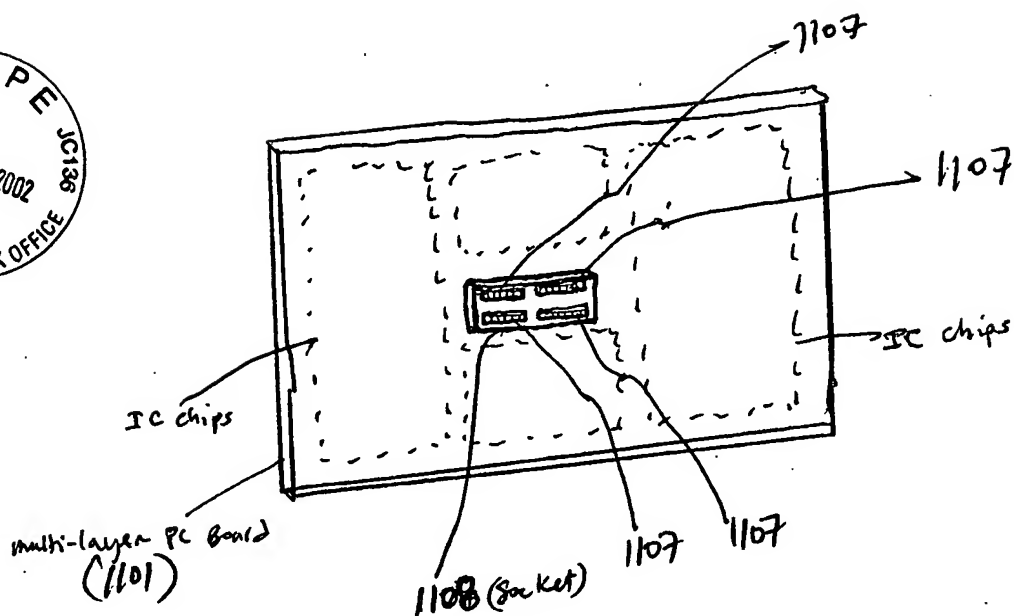


FIG. 3D6

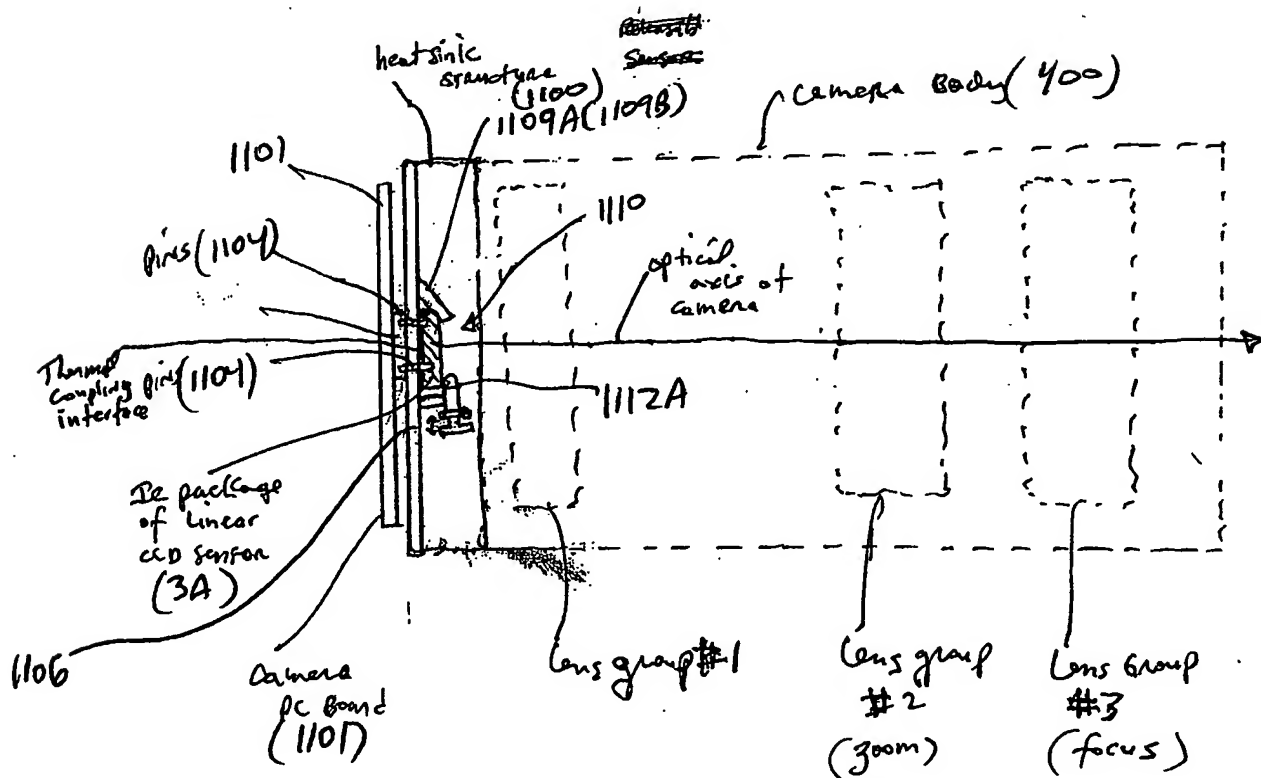


FIG. 3D7

20067440-081202

THE END OF THE LINE

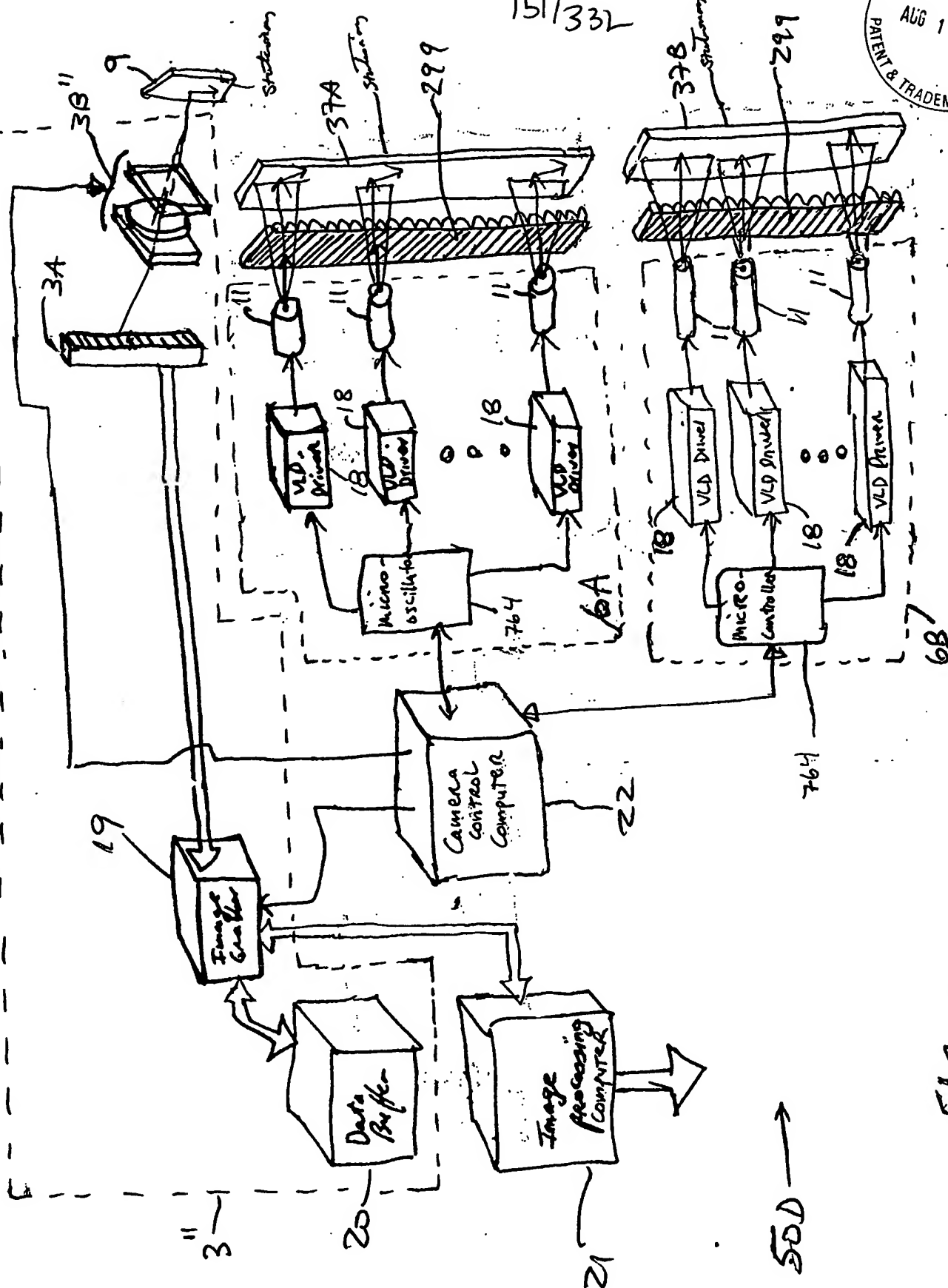
$$151/332$$


FIG. 362

202180-01(2)9007

201/332

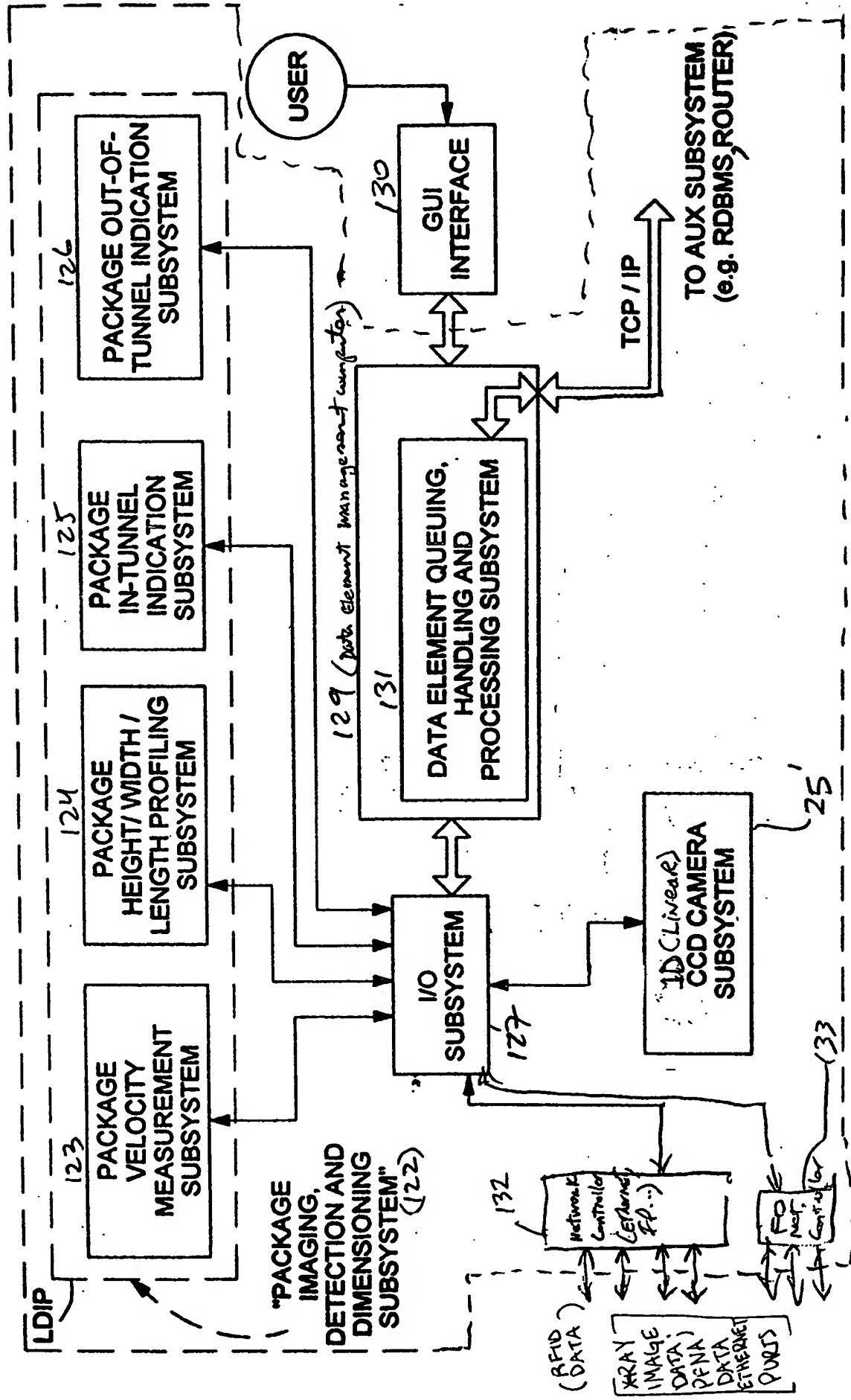


FIG. 10



206/332

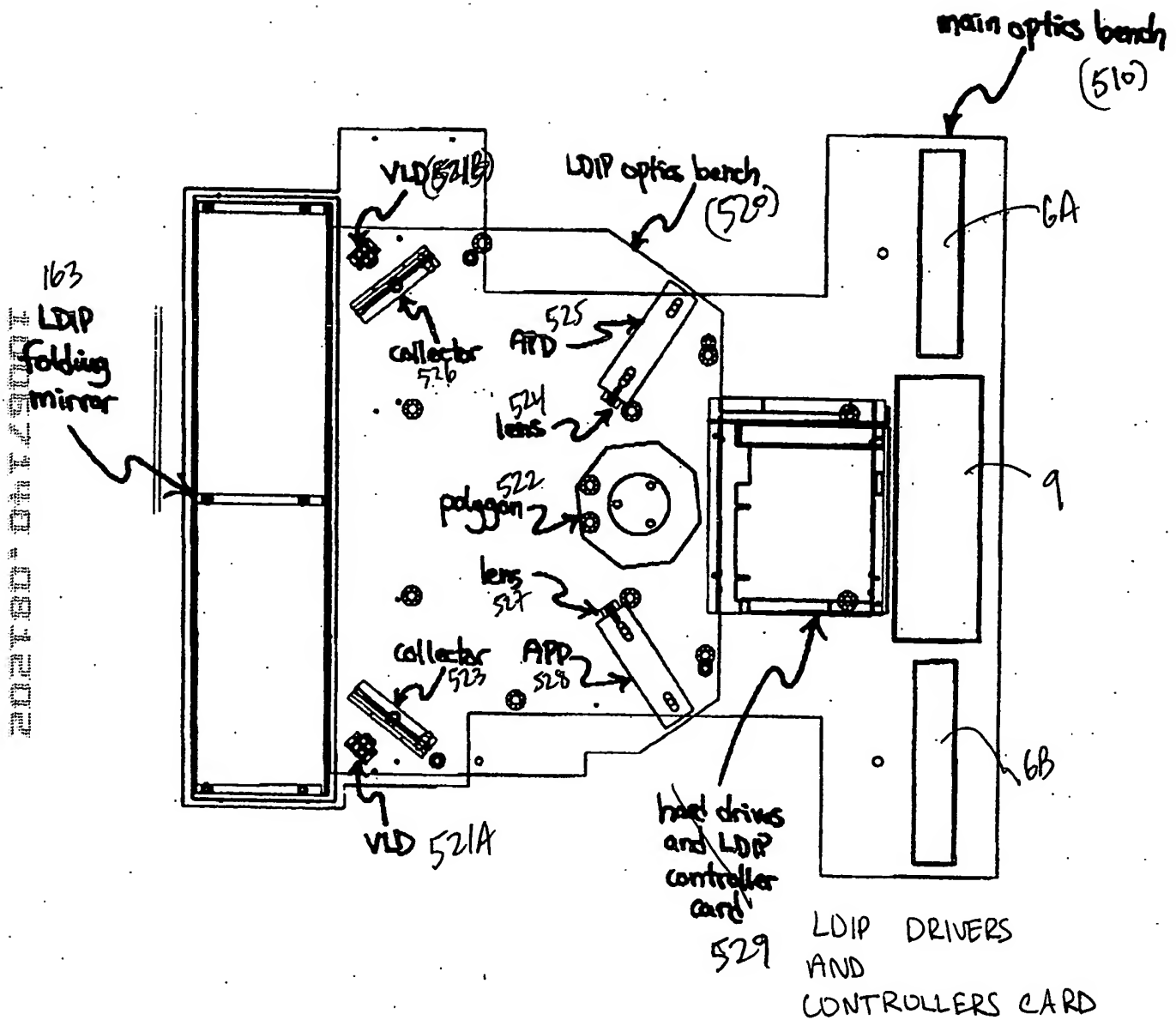


FIG. 12D



208/332

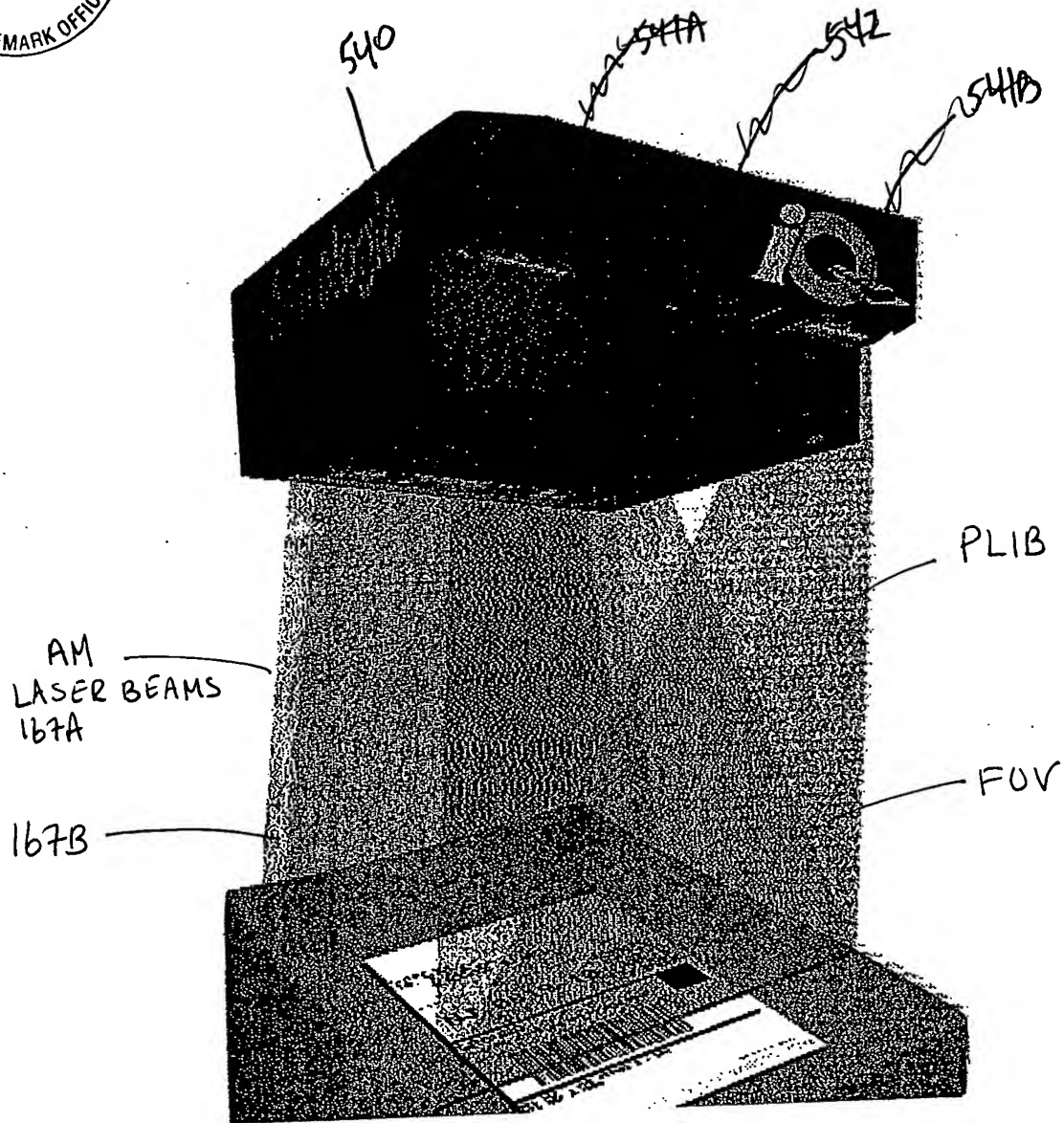
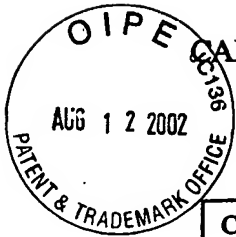


FIG. 13A

2006-07-14 00:00:00

215/332.

SYSTEM OF THE
PRESENT INVENTION
560



CAMERA CONTROL PROCESS CARRIED OUT WITHIN THE CAMERA CONTROL SUBSYSTEM OF EACH OBJECT ATTRIBUTE ACQUISITION AND ANALYSIS SYSTEM IDENTIFICATION AND

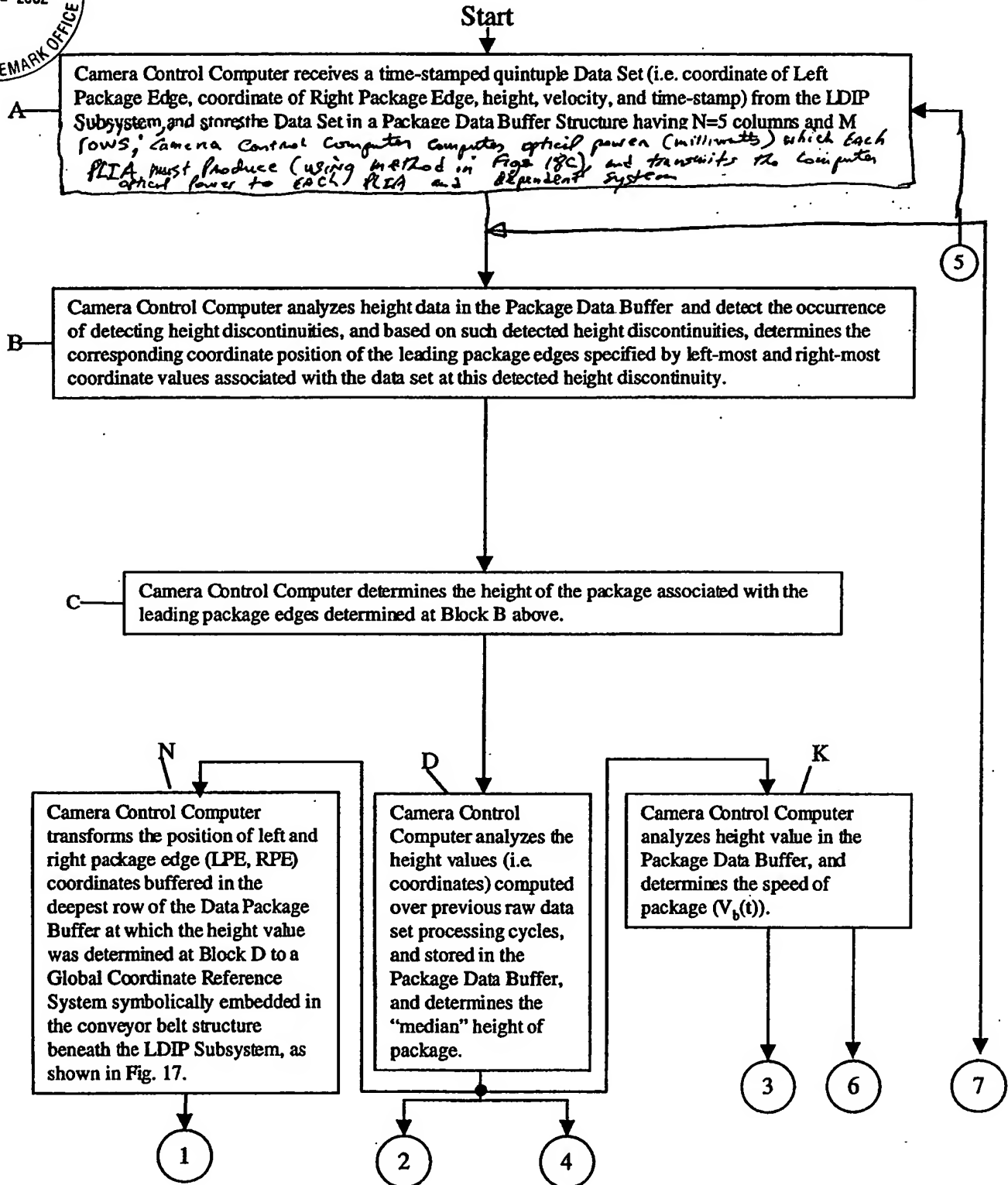
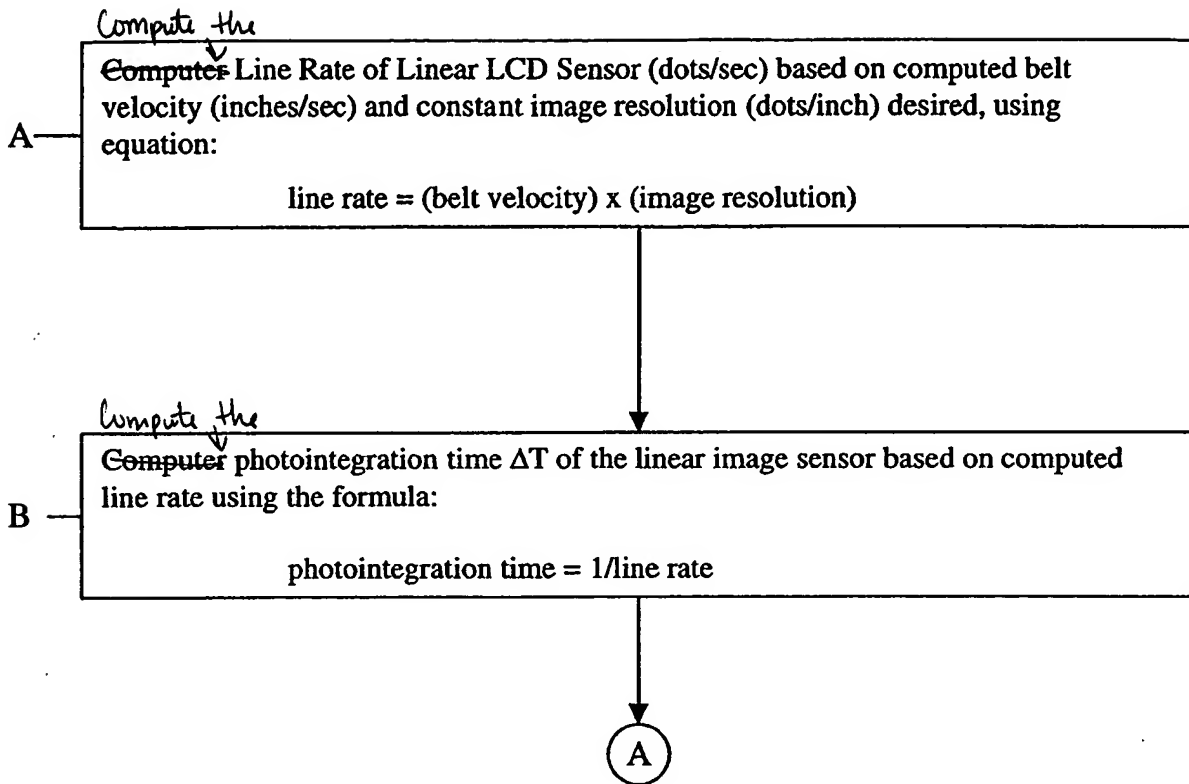


Fig. 18A

2022-04-22 00:00



217/332



2002-08-12 14:00:00

Fig. 18C1

218/332



Compute optical power (milliwatts) of each PLIA based on computed photointegration time_{period} (ΔT) using the following formula:

$$\text{optical power of LD (milliwatts)} = \frac{\text{constant}}{\text{photointegration time}_{\text{period}} \Delta T}$$

Fig. 18C2

2025-07-24 14:30:00

224/332

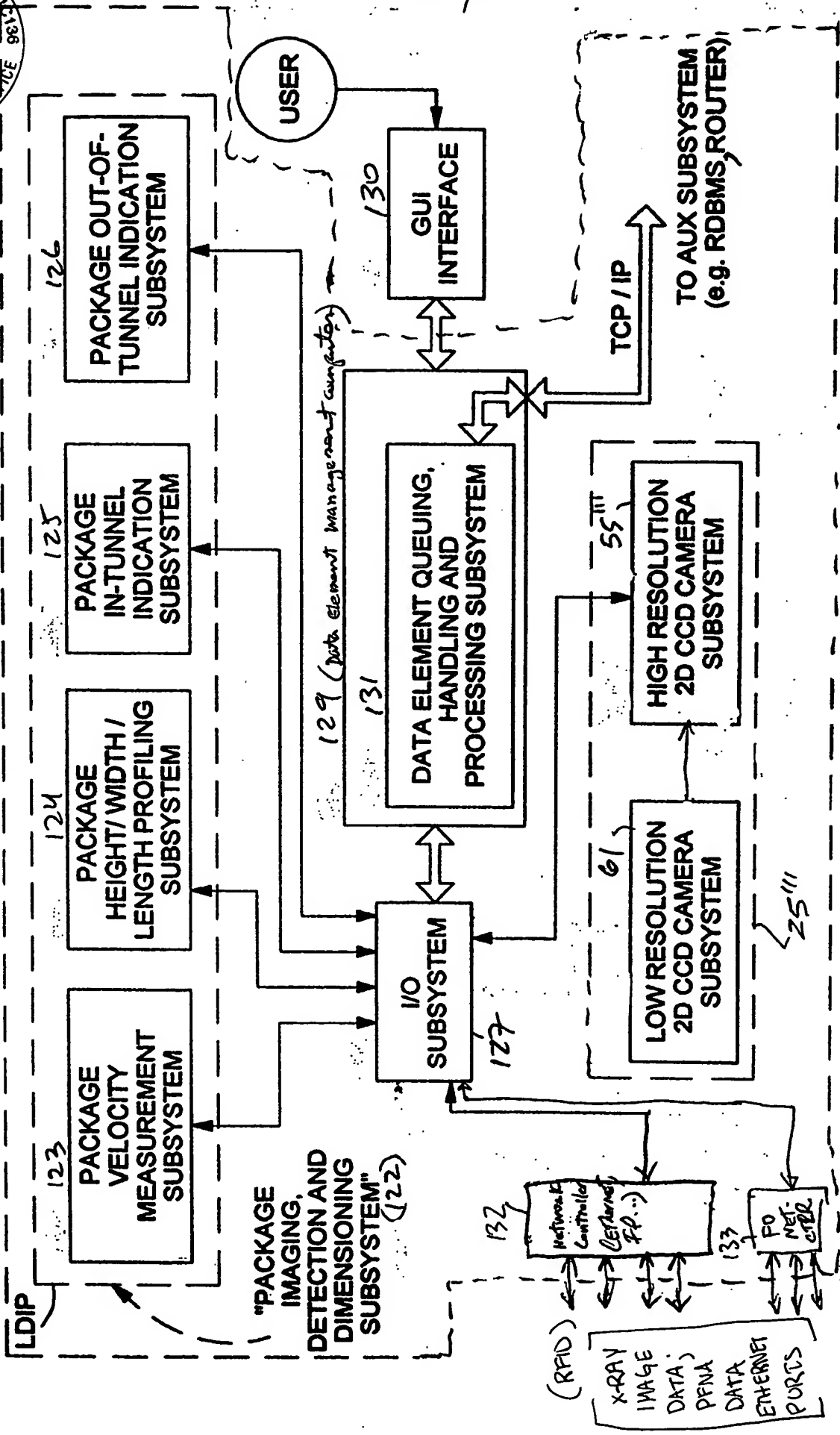
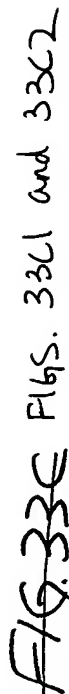


FIG. 25

140

005



~~FIG. 33C~~ Figs. 33C and 33C2



246/332

2002/0400332

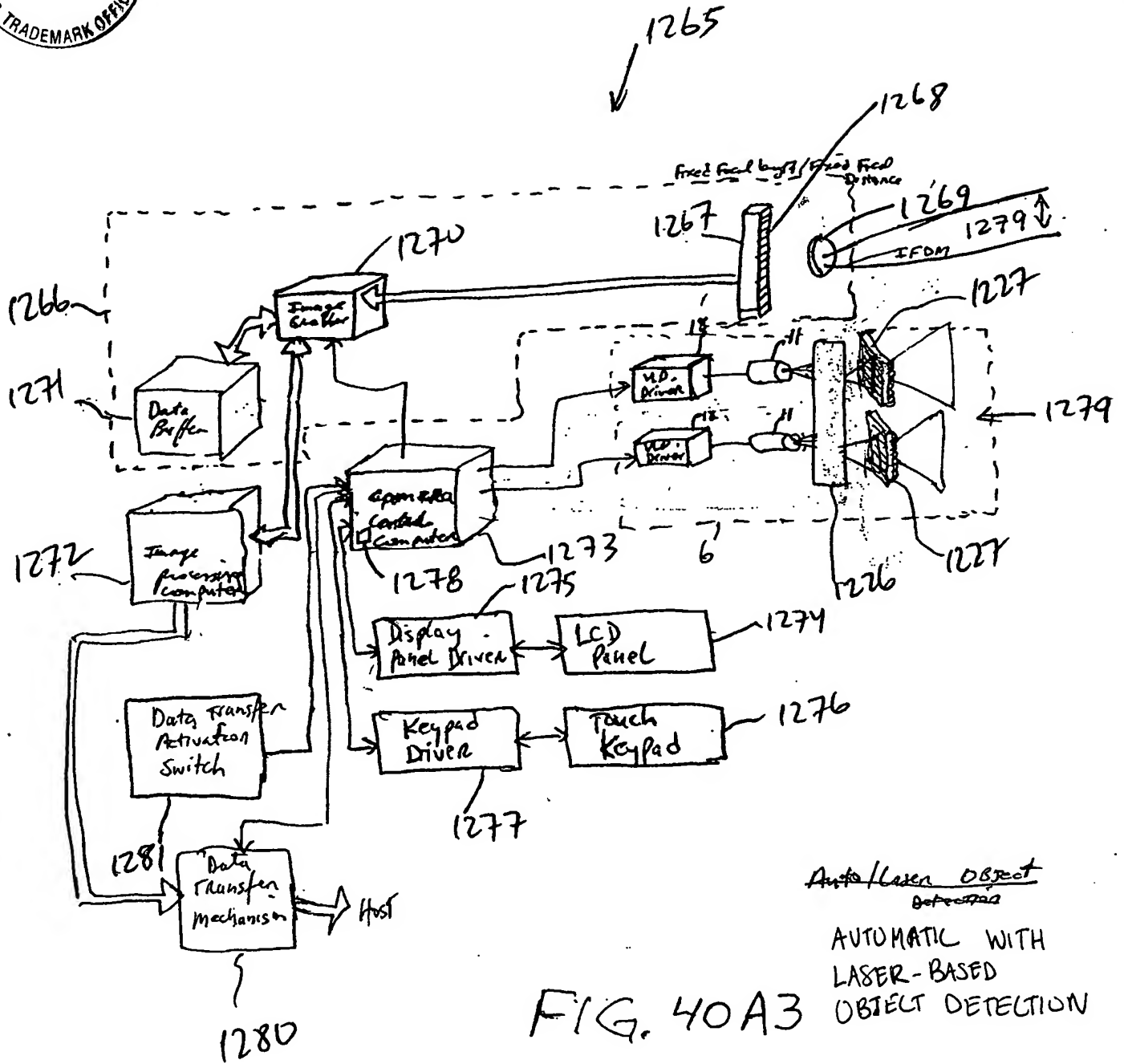


FIG. 40A3

247/332

20067440-001222

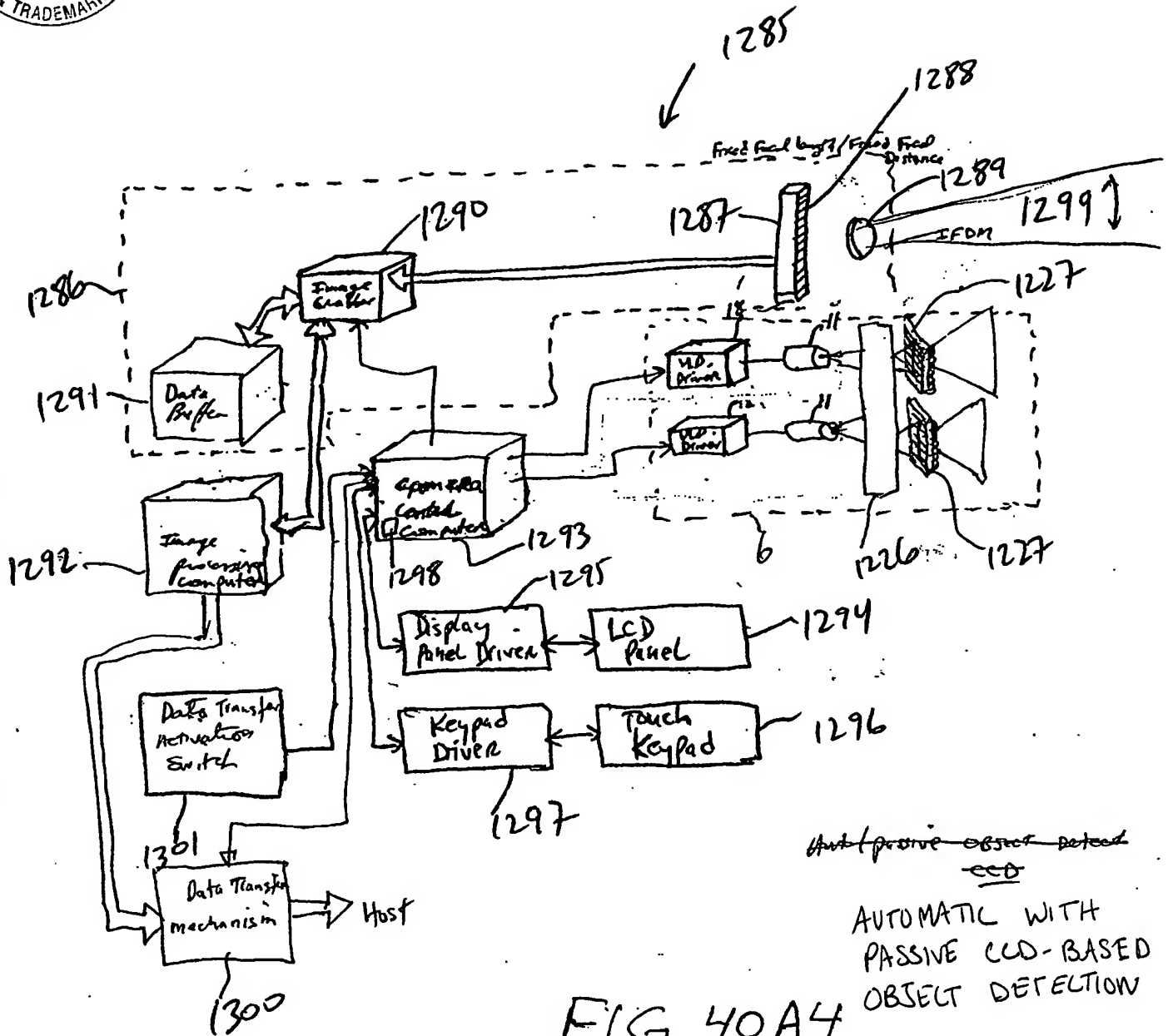
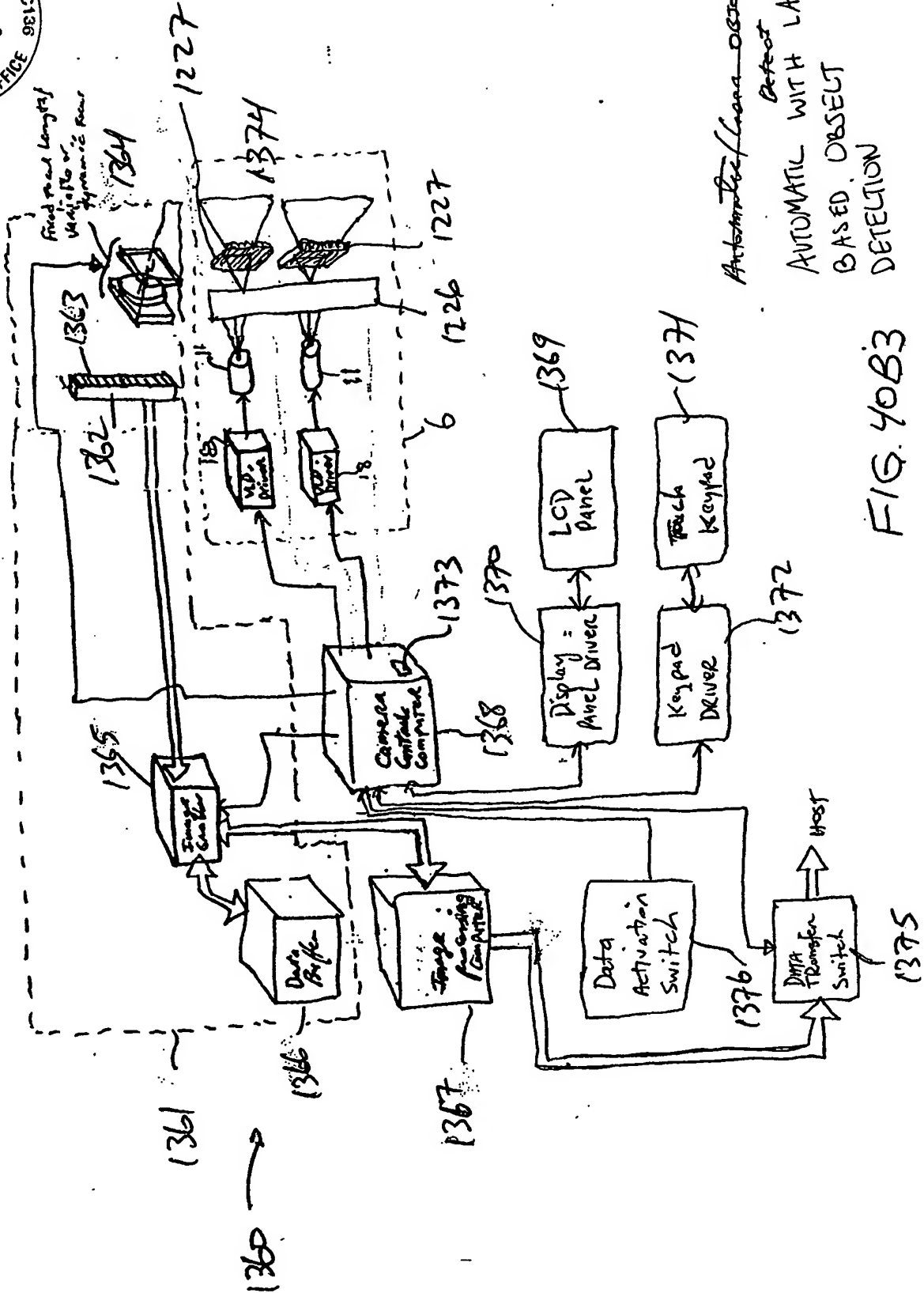


FIG. 40A4

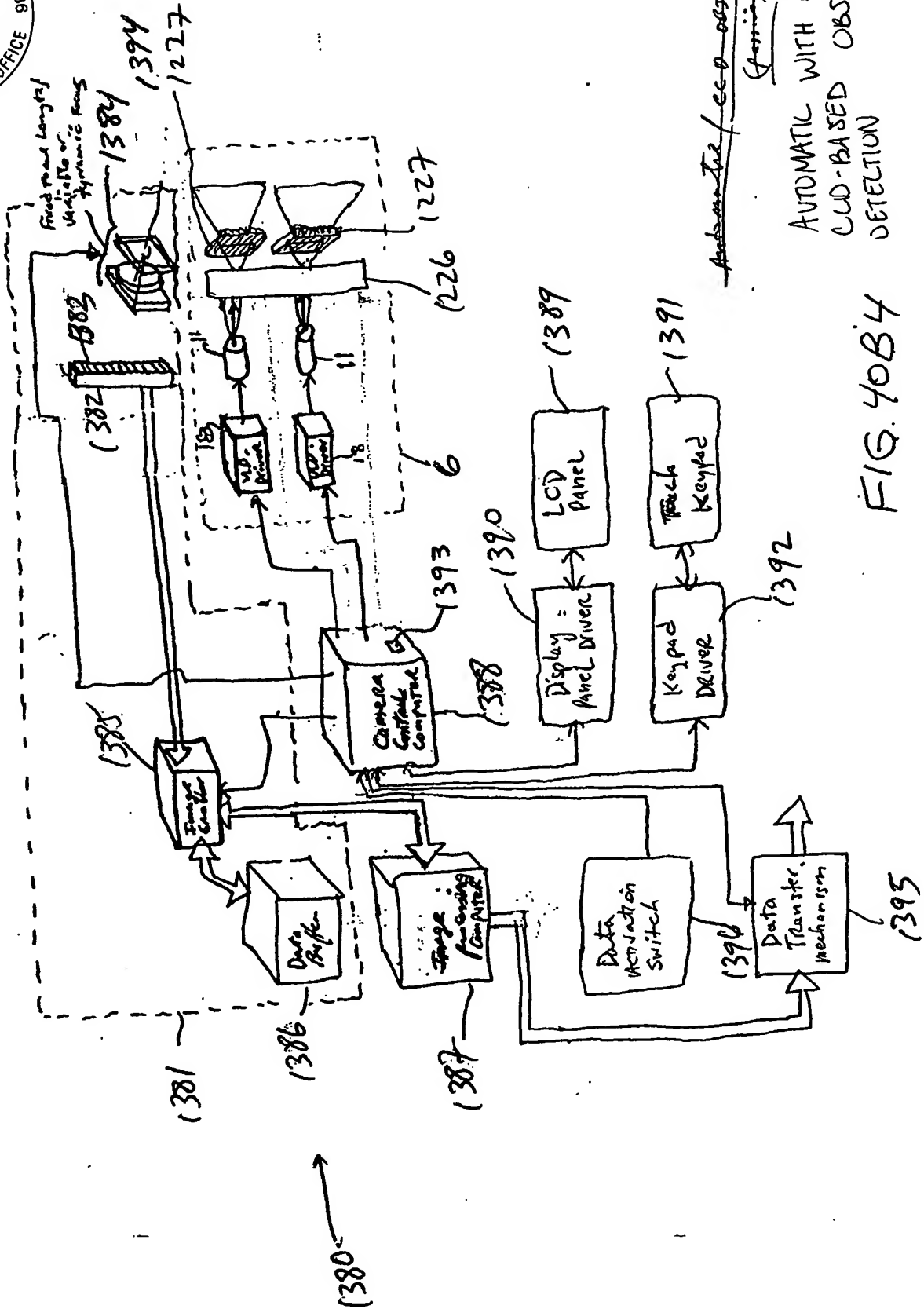


Automatic/Laser Object
Detect
AUTOMATIC WITH LASER
BASED OBJECT
DETECTION

20220707 01172500T



252/332



~~Automatic / CUD-based object detection~~
(passive)

AUTOMATIC WITH PASSIVE
CUD-BASED OBJECT
DETECTION

FIG. 40B4

253/332

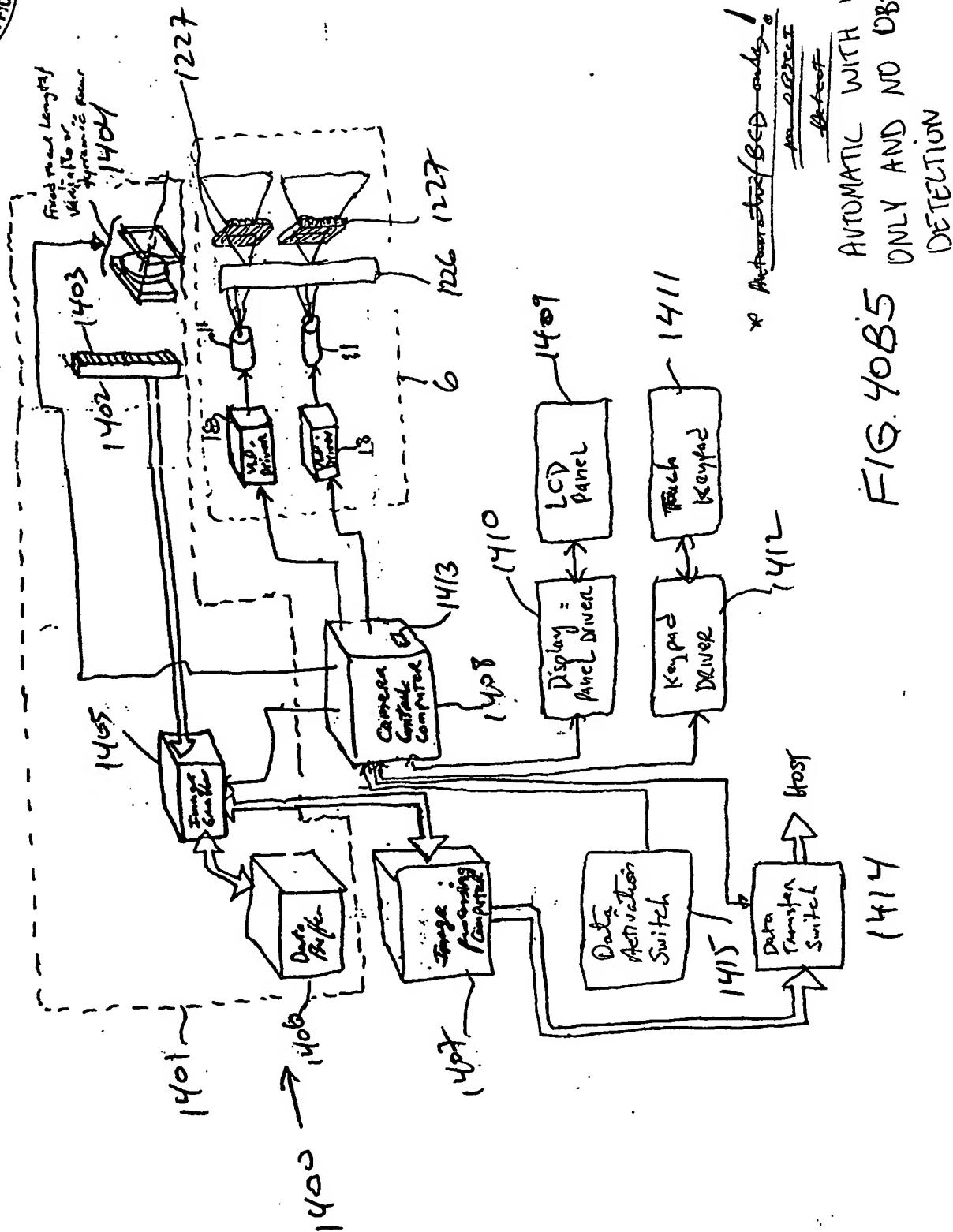


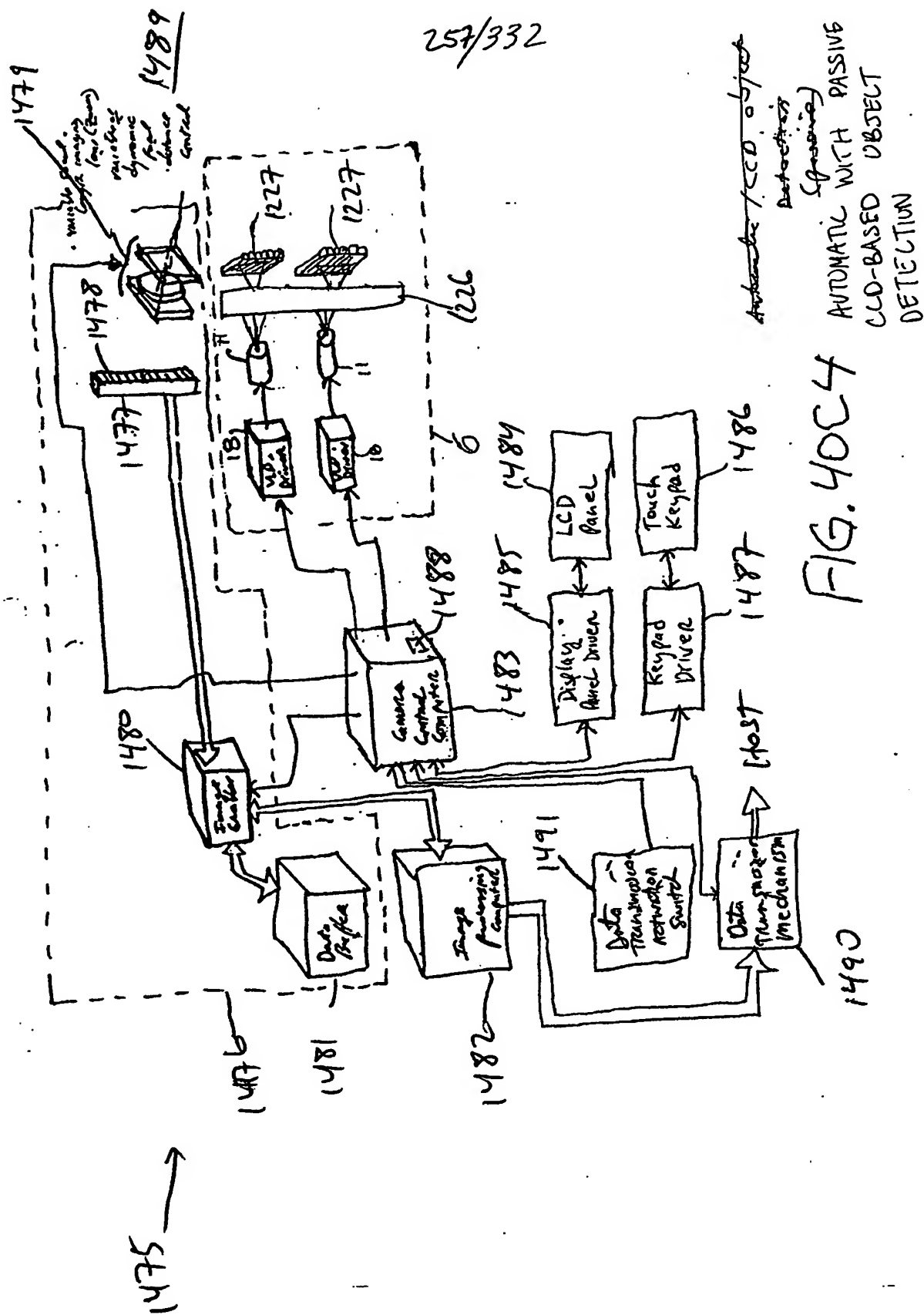
FIG. 40B5



AUTOMATIC WITH LASER BASED OBJECT DETECTION

FIG. 40C3

A circular black and white stamp. The text "OIPE" is at the top, "JCI 36" is on the right, "AUG 12 2002" is in the center, and "PATENT & TRADEMARK OFFICE" is at the bottom.





280/332

1.0
display
...

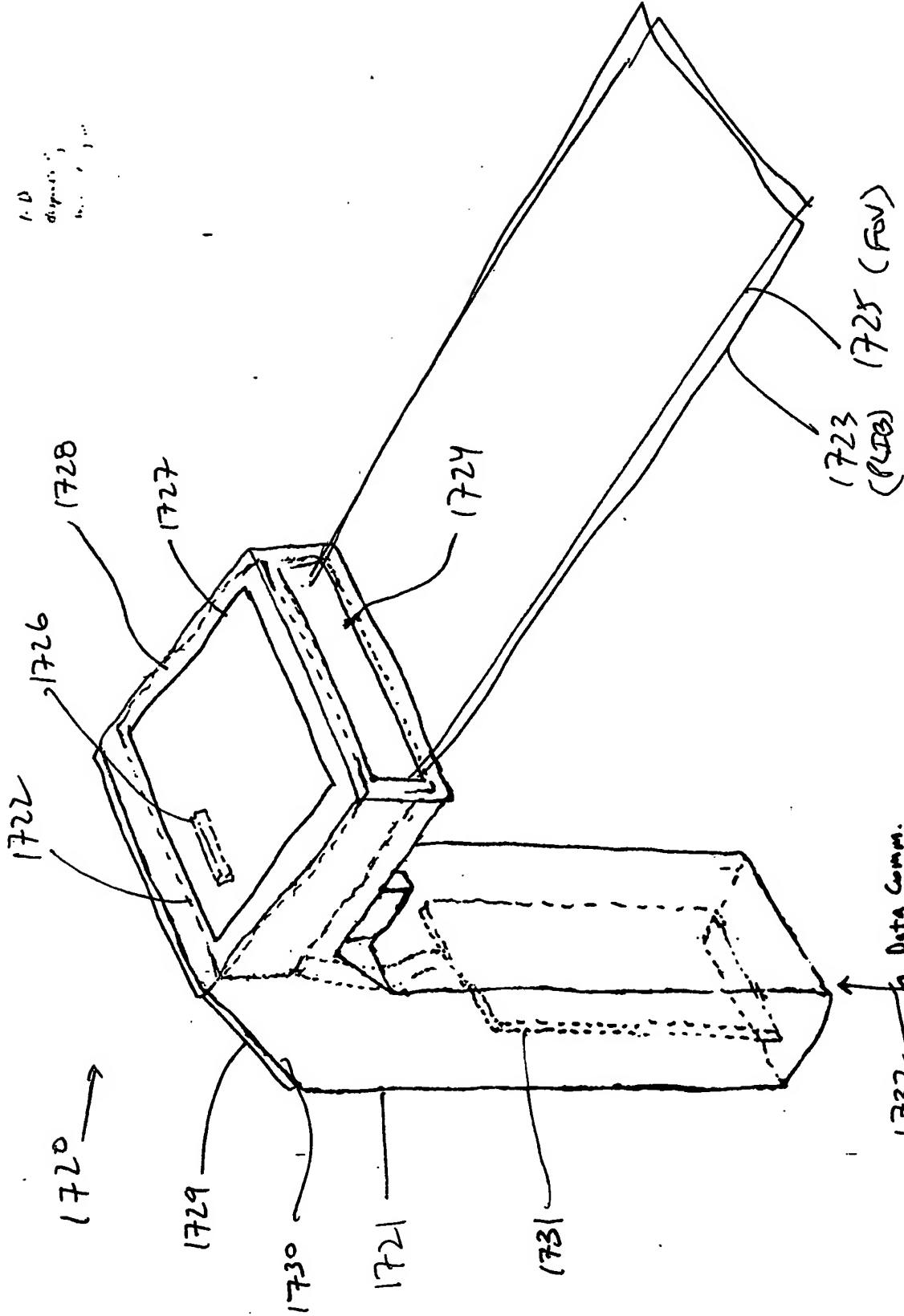


FIG. 48A

284/332

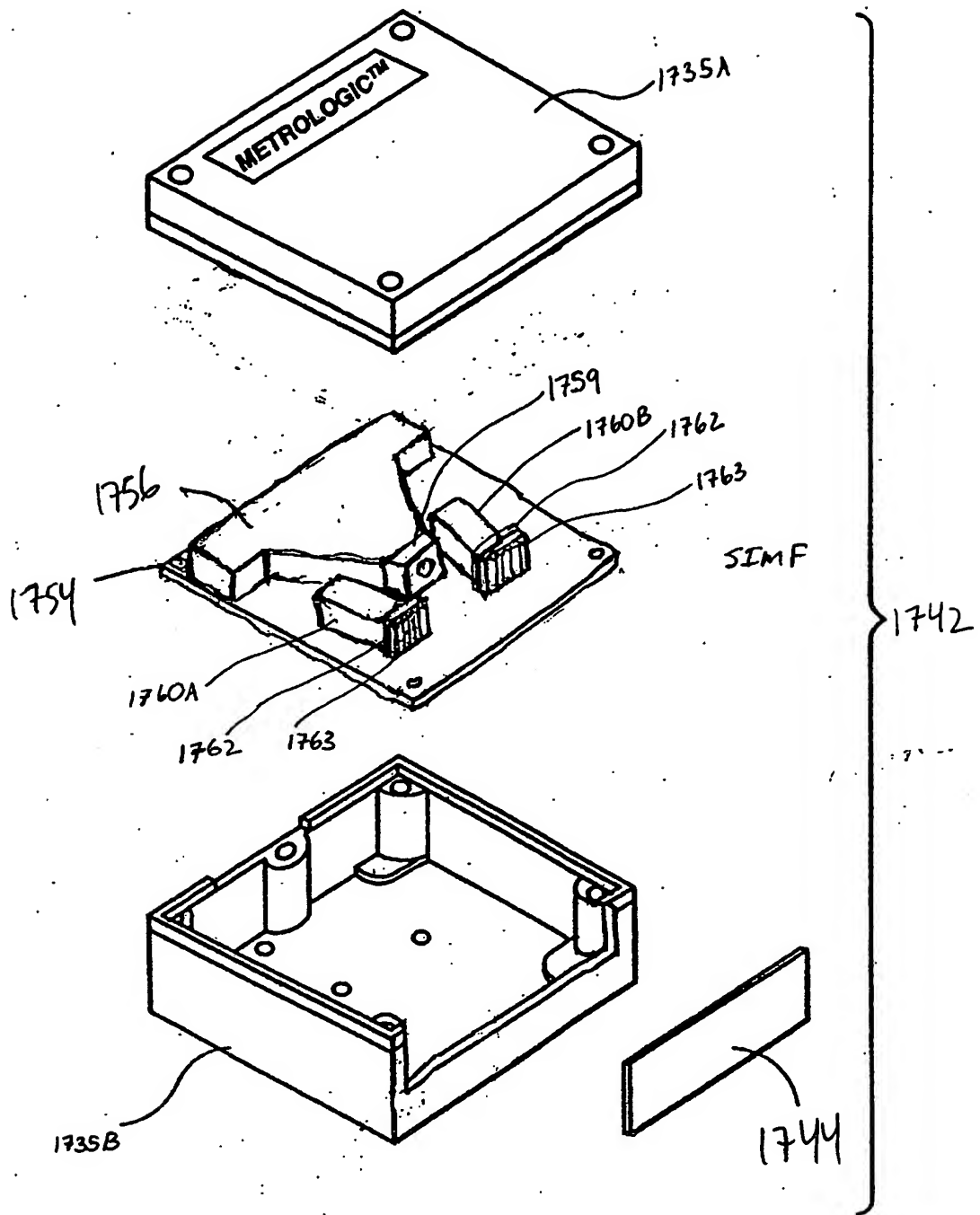



FIG. 49B

20067140-081202

1860 

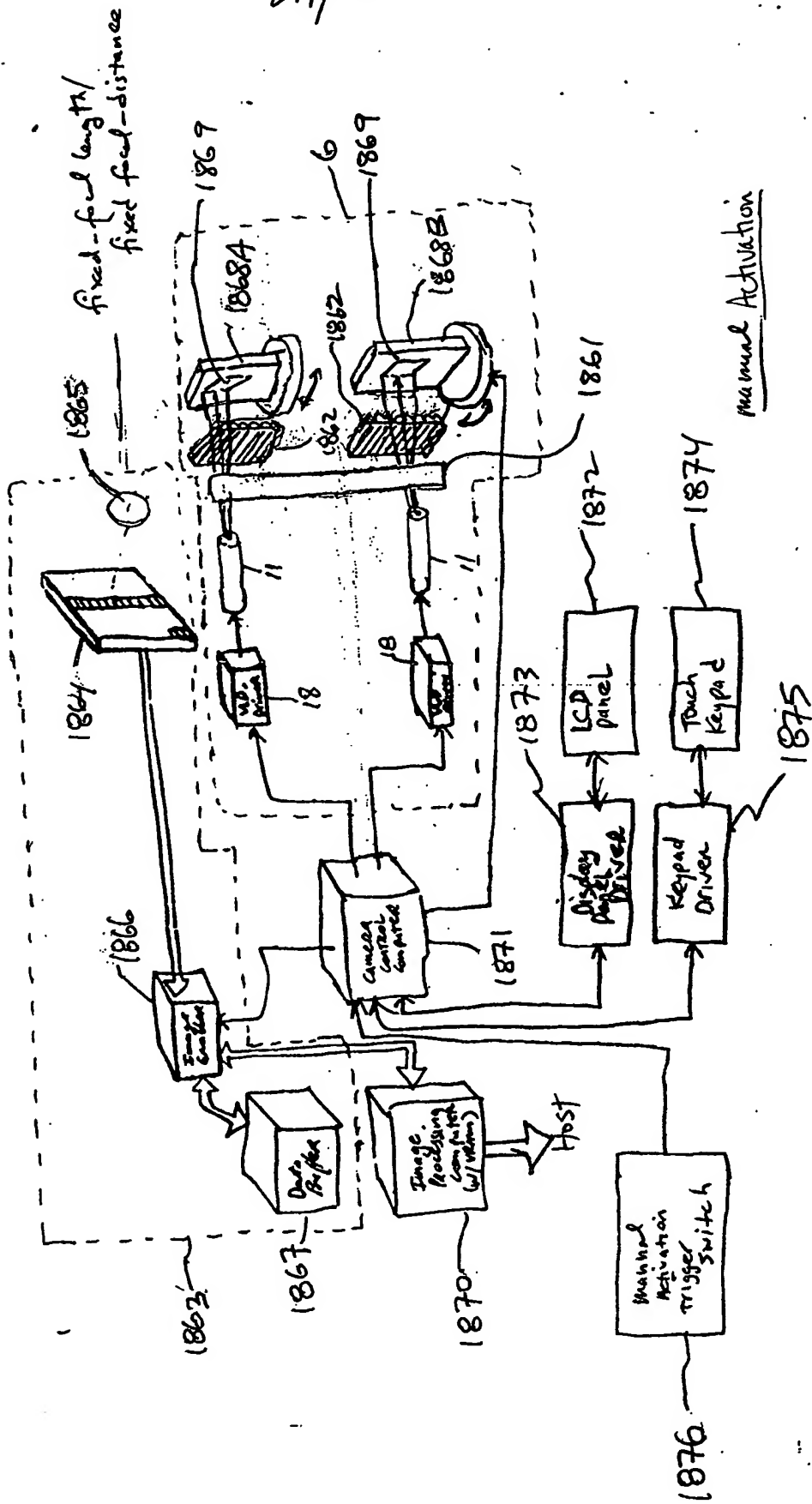


FIG. 53A1

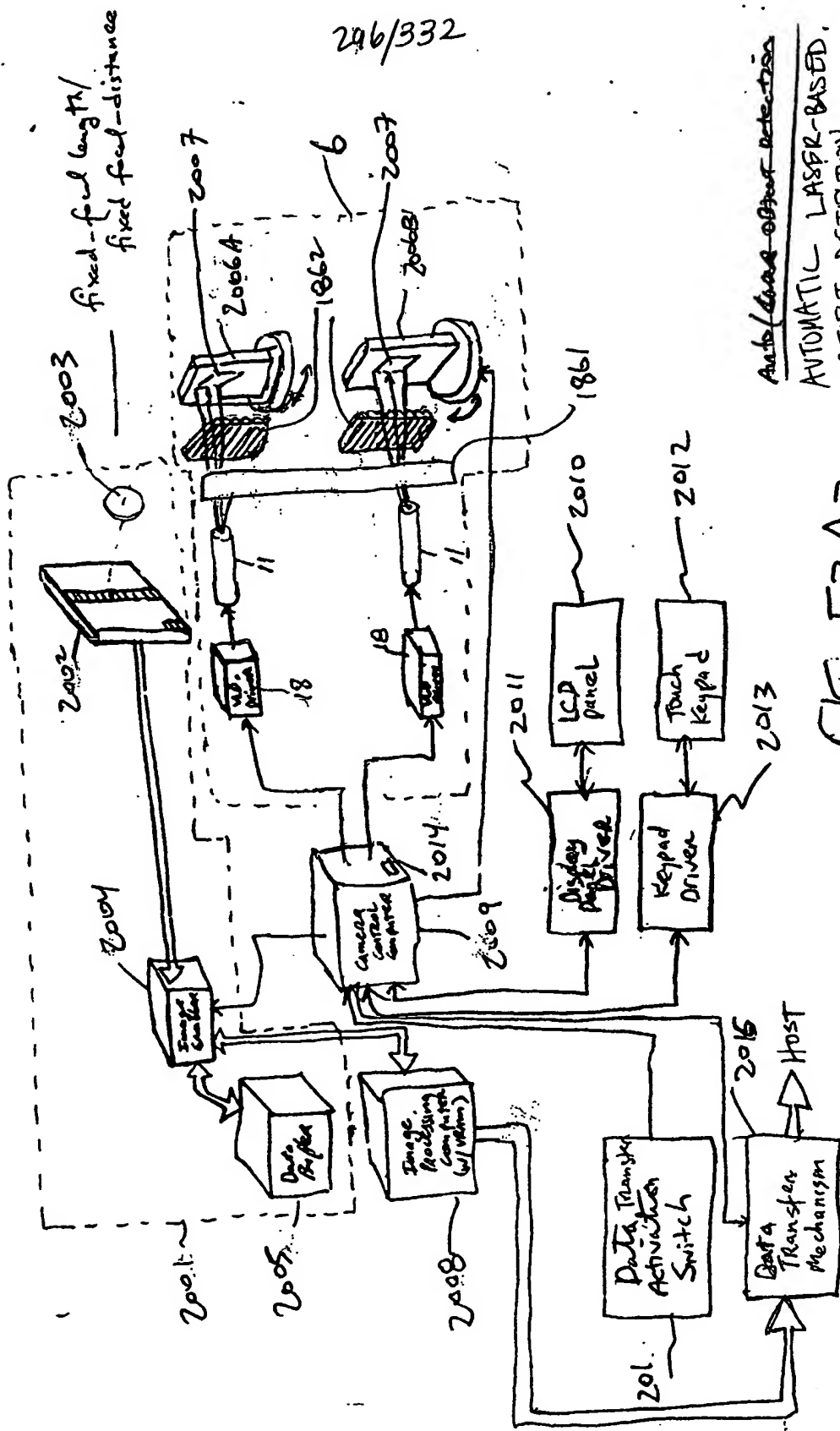


296/332

Auto/semi-auto object detection
AUTOMATIC LASER-BASED
OBJECT DETECTION

FIG. 53A3

2002

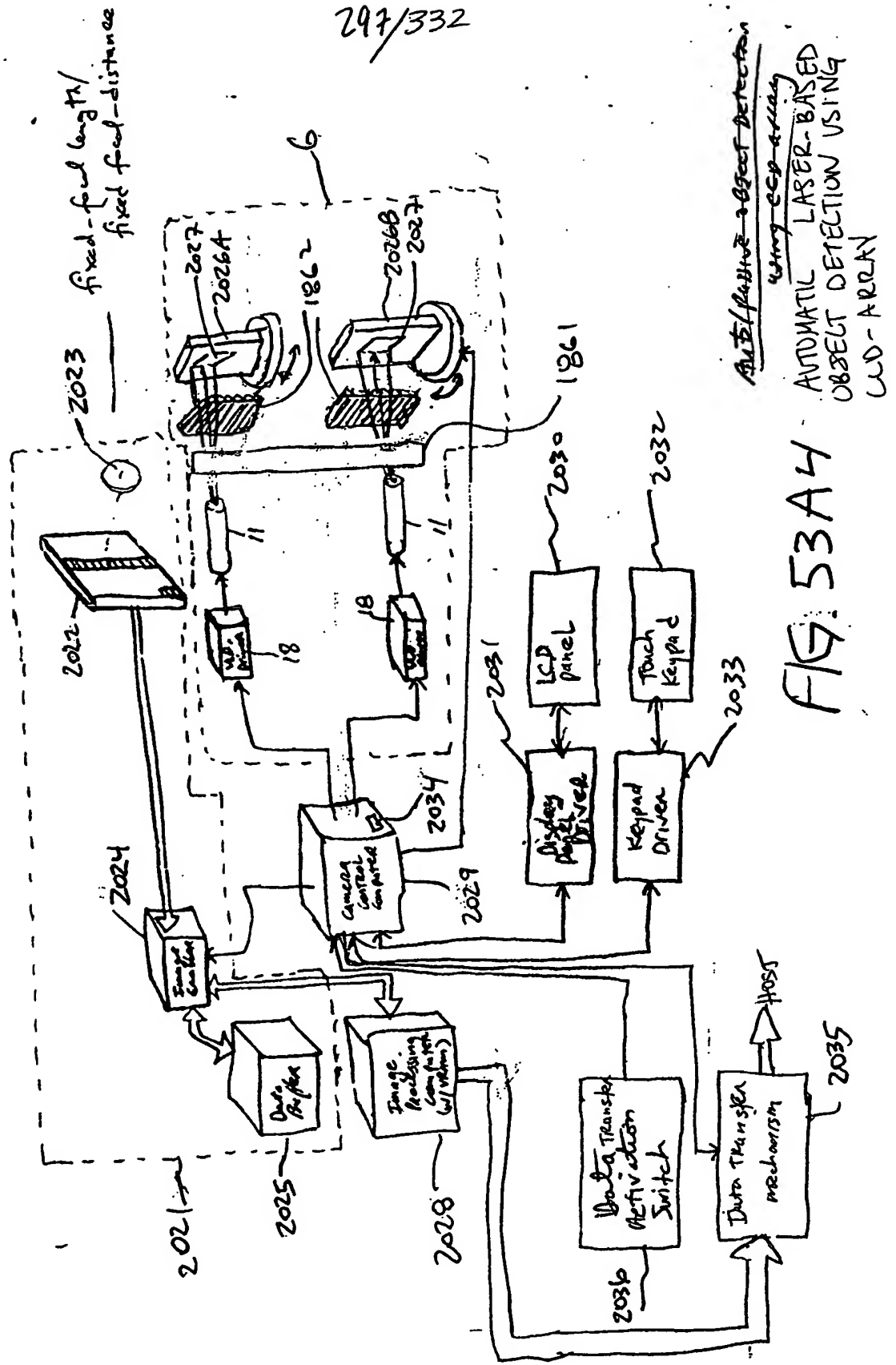


20210101 04:30:01



297/332

2020 →



Auto/laser object detection
using CCD array
AUTOMATIC LASER-BASED
OBJECT DETECTION USING
WD-ARRAY

FIG. 53A4



202130-041/5001

249/332

2060 →

fixed focal length /
variable focal distance

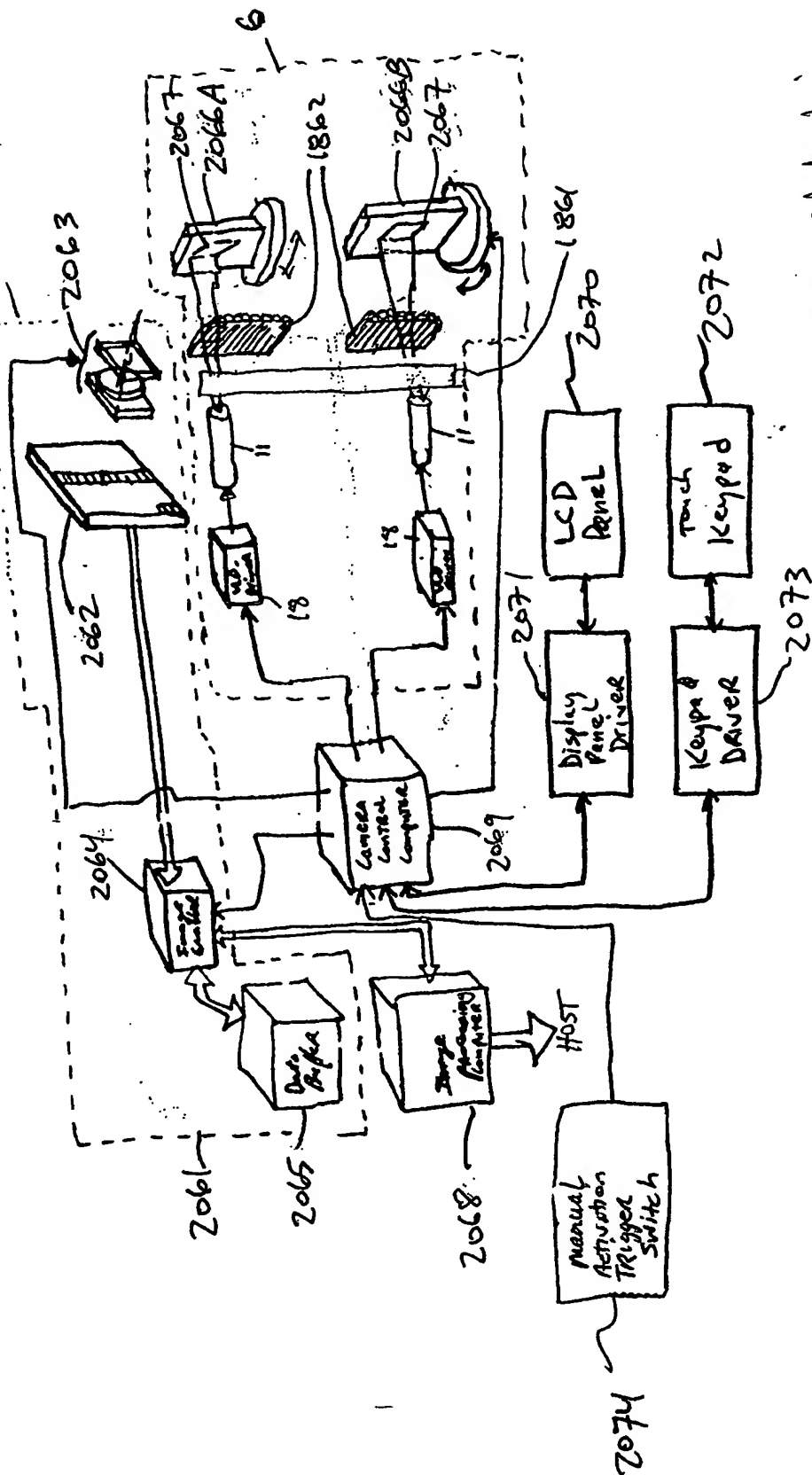
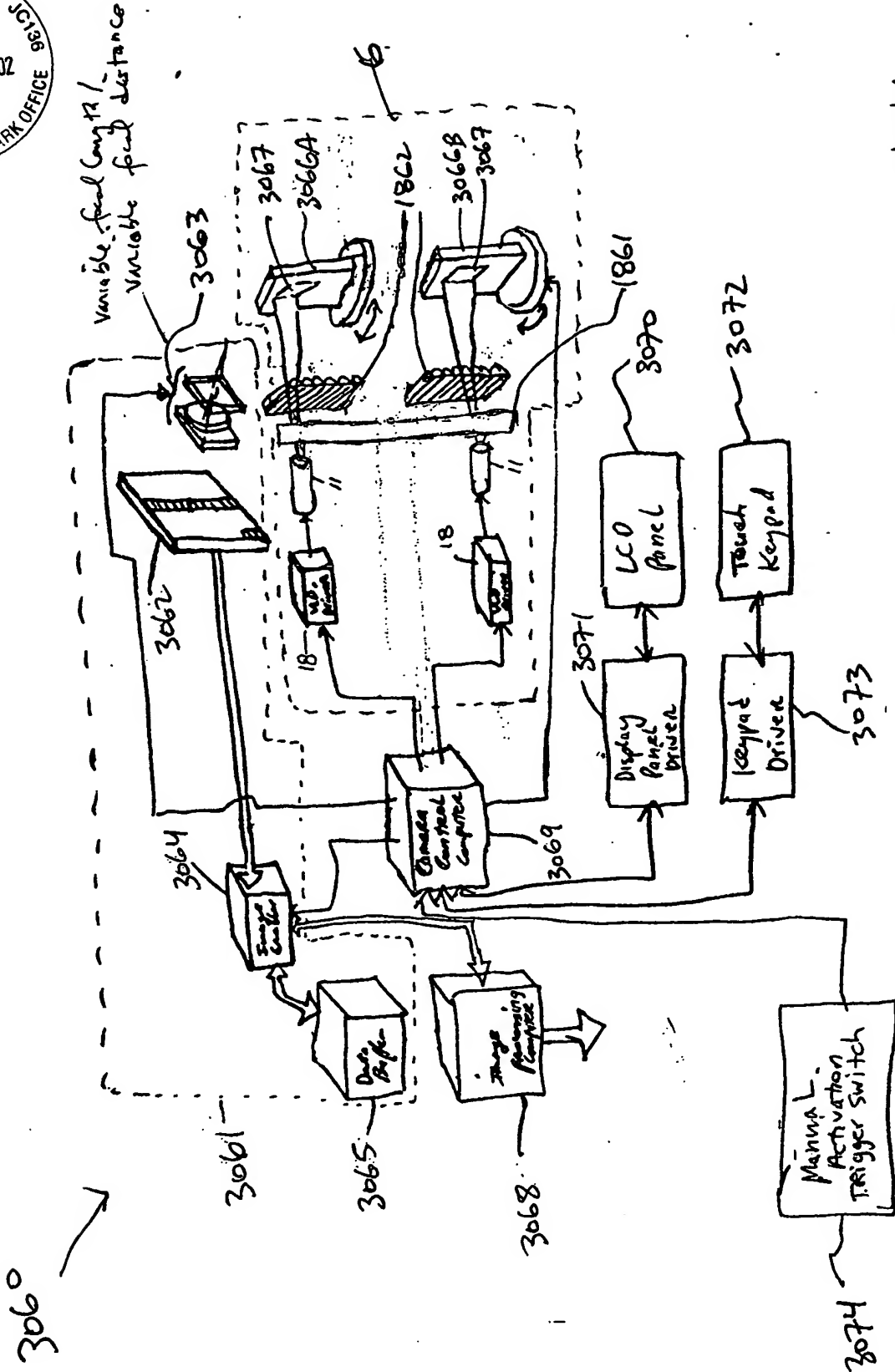


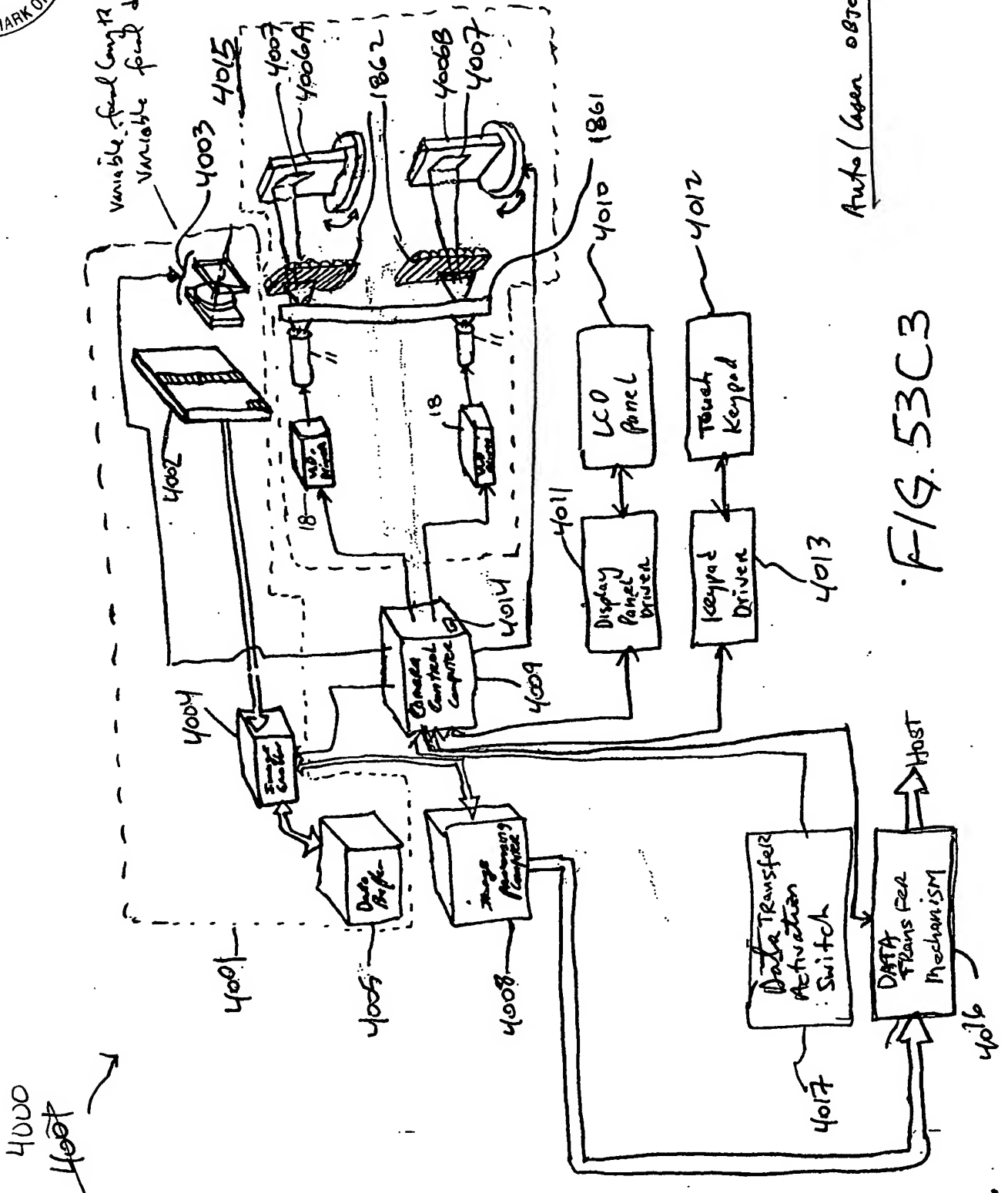
FIG. 53B1



304/332



Auto / User object detection (1)



F/G. 53C3



320/332

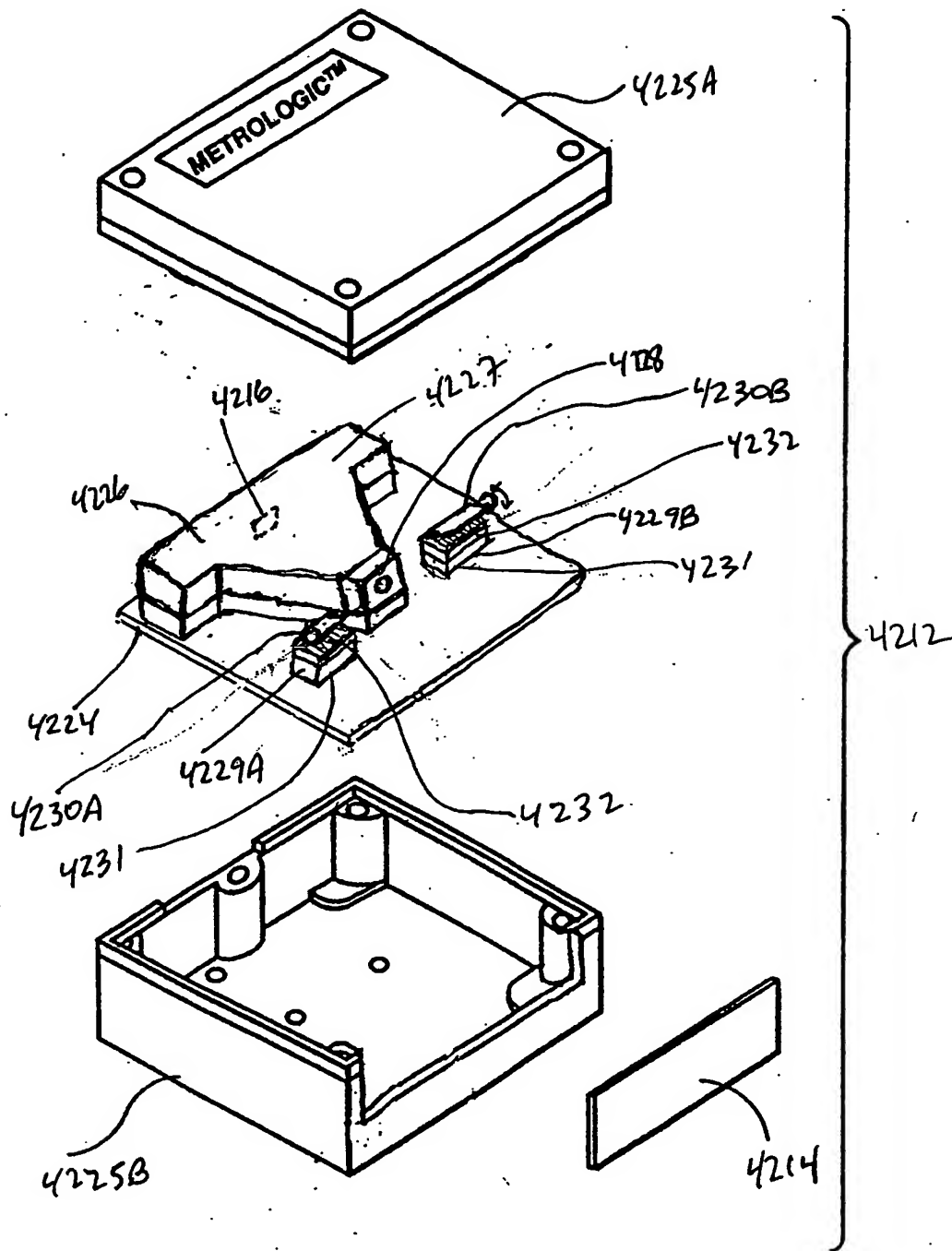


FIG. 59B

WILLD

Fig. 15A-15B

10067140-081202



322/332

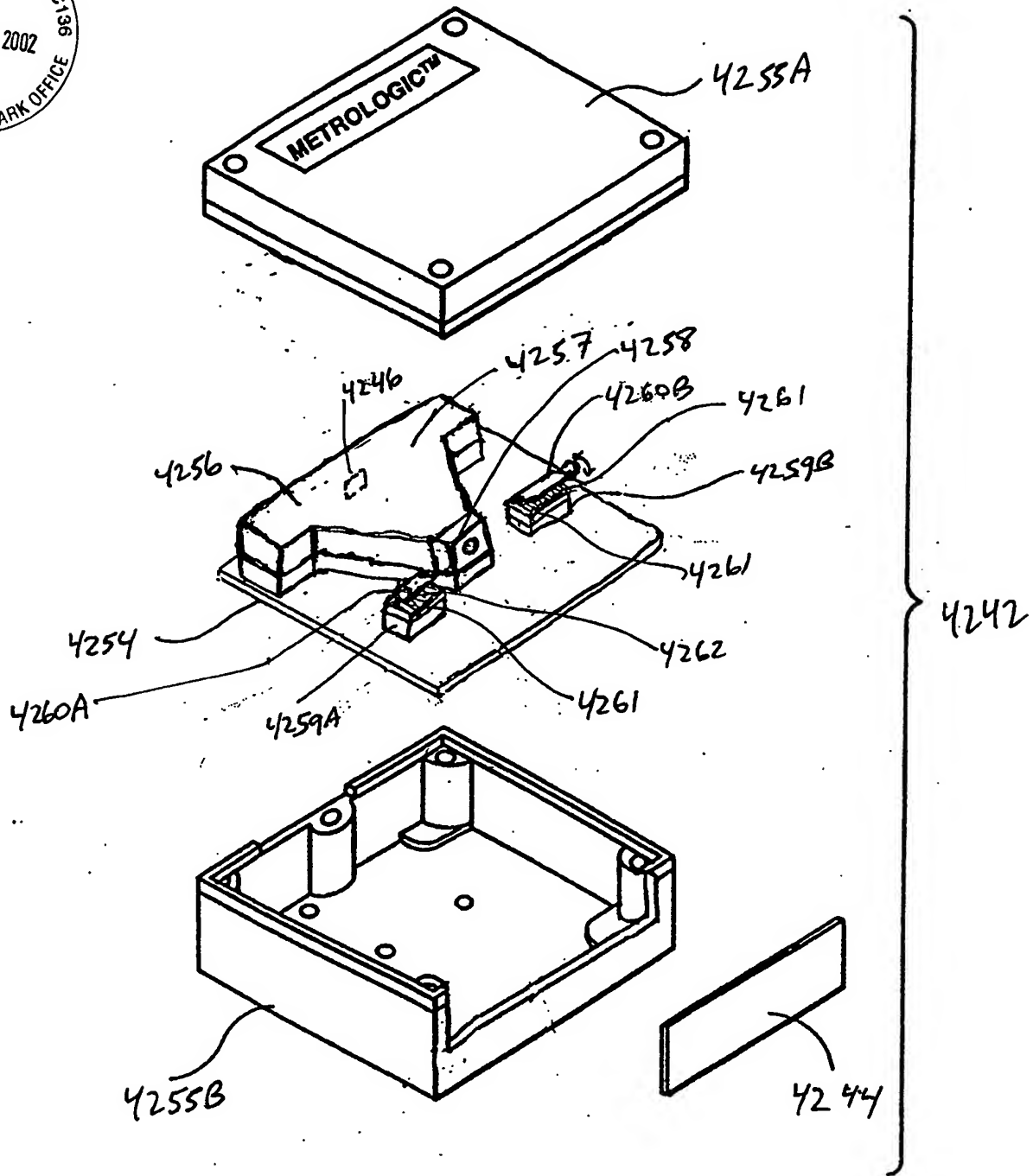


FIG. 60B

Etalon (Temp. phase
Bifurcation mod.)
Fig. 1 I 17A-17B

202180-01129001

2006740 2500T

4290
4270



323/332

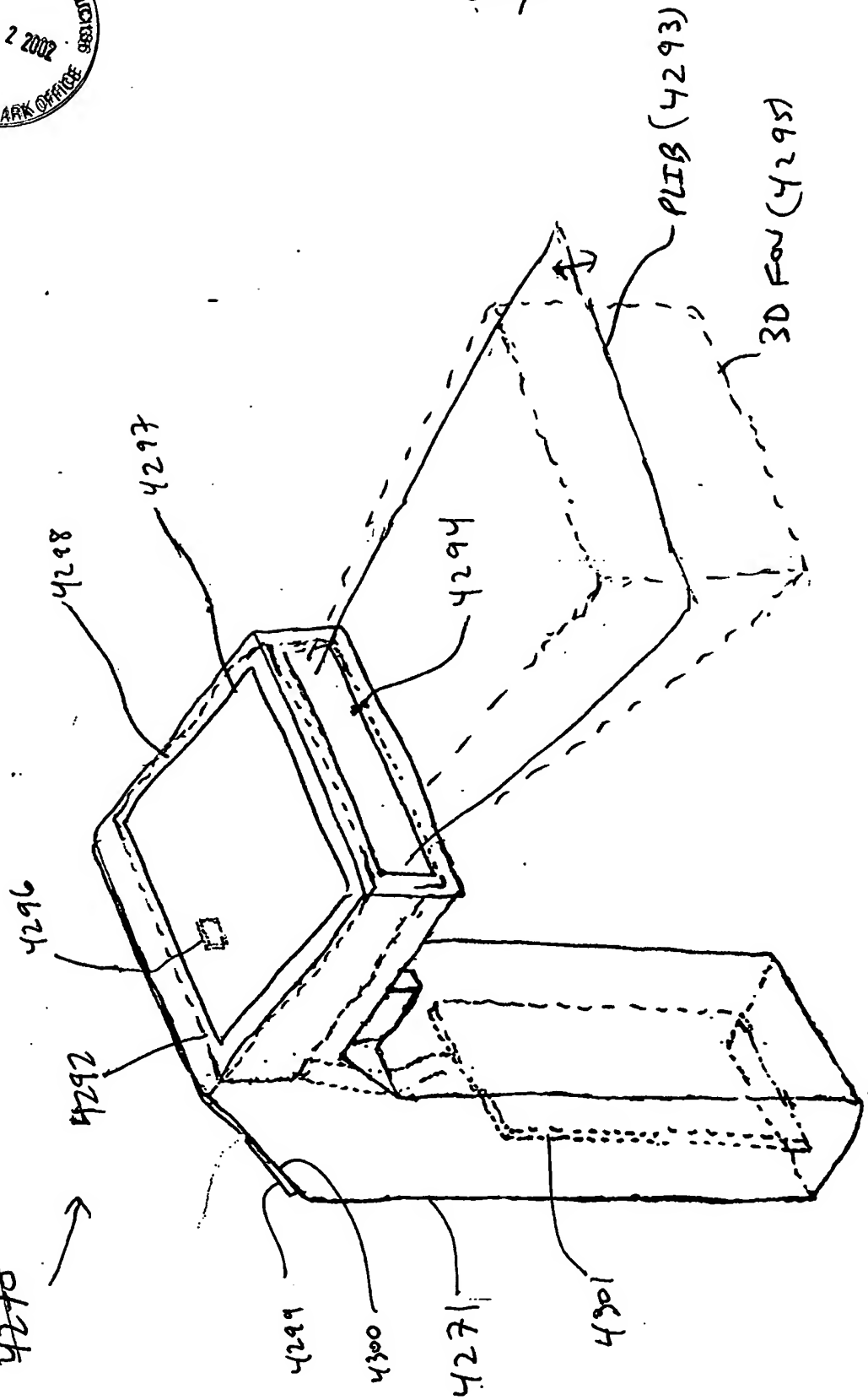


FIG. 61A



554/332

Baggage check-in Station #1

20020701-0001

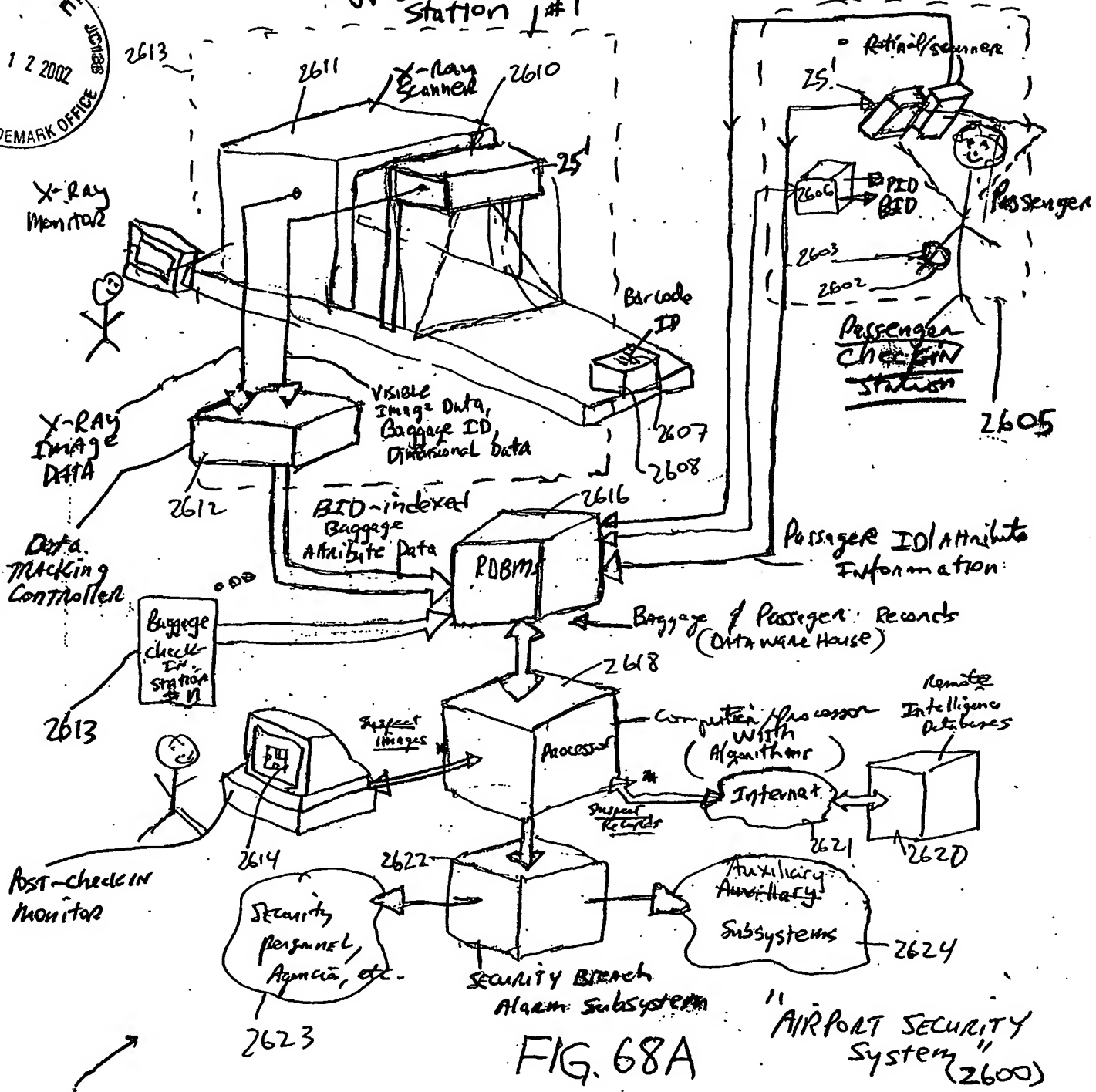


FIG. 68A

FIG. 68B

RDBMS Record X

Attribute data	2621
Passenger ID #	2620
Baggage ID #	2622
Baggage ID #	2622